

ONE HUNDRED AND FIFTIETH

COMMENCEMENT CEREMONIES

May 25-26, 2022

Meadowlands Exposition Center • Secaucus, New Jersey



THE MISSION OF STEVENS



TO INSPIRE, NURTURE

AND EDUCATE LEADERS

IN TOMORROW'S

TECHNOLOGY-CENTRIC

ENVIRONMENT WHILE

CONTRIBUTING TO THE

SOLUTION OF THE

MOST CHALLENGING

PROBLEMS OF OUR TIME

LETTER FROM THE PRESIDENT

To the Stevens Institute of Technology Class of 2022:

Today, you graduate from one of the world's premier technological universities. You have persevered through unforeseen challenges, including a global pandemic, and this resilience will serve you well in your lives and careers.

As newly minted graduates, you join an esteemed group of 50,000 accomplished Stevens alumni around the globe who are working at the forefront of science, technology, business, the arts and social sciences. This network of Stevens alumni will support you throughout your lives and careers in ways that you cannot yet envision. Take full advantage of your Stevens family in the years ahead.

For all the ways in which you have enriched our community, I thank you. For all you have achieved, I congratulate you. I look forward to hearing about the many successes you will undoubtedly have in the years to come. You are our hope and our future, and we are immensely proud of you.

Please continue to stay in touch with each other and with your alma mater.

Per aspera ad astra,

Nariman Farvardin

N Frondin

President

HISTORY OF STEVENS

Stevens Institute of Technology is named for the distinguished family known as "America's First Family of Inventors." The Stevens family influenced American engineering for decades, designing steamboats, locomotives, railroad tracks and a host of other technical innovations that powered the new nation.

When inventor Edwin A. Stevens passed away in 1868, his bequest provided for the establishment of the university that now bears his family's name. Two years later, and through the effort and guidance of his widow, Martha Bayard Stevens, Stevens Institute of Technology opened, offering a challenging engineering curriculum grounded in scientific principles and the humanities and leading to the degree of Mechanical Engineer.

Over subsequent decades Stevens grew by leaps and bounds, evolving from a small four-year undergraduate college of engineering into a leading technological university with strengths in key fields such as quantum computing, artificial intelligence, resilience engineering, robotics, complex systems, healthcare, biomedical research, brain research and fintech. The university has produced a Nobel Prize winner (Frederick Reines '39 M.S. '41) and thousands of new technologies, products, services and research insights.

In 1971, Stevens opened its doors to undergraduate women for the first time. In 1982, the university became the first major U.S. educational institution to require students to purchase personal computers for use in the classroom and also developed one of the nation's first intranets, leading a revolution in higher education's use of information technology.

Today Stevens continues to ascend on an upward trajectory, expanding enrollment, facilities, partnerships and research programs. Post-graduation outcomes and return on tuition investment remain some of the nation's strongest. The university's collaborations with industry and government include numerous grant awards, contracts and collaborative projects, as well as two National Centers of Excellence designated by the Department of Homeland Security and the Department of Defense. Stevens also recently opened the transformative University Center Complex, providing residential housing for approximately 1,000 students while creating a true campus hub with meeting, collaboration and event spaces.

Stevens students, faculty and 50,000 alumni continue to make significant impact globally. Through its leading-edge research, innovative curriculum and robust internship and cooperative education programs, the university will continue to grow in size and impact — creating new knowledge, confronting the most urgent challenges of our time and positively shaping the future of global society for years to come.

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Kathy L. Schulz, Esq. Vice President, General Counsel and Secretary

Undergraduate Commencement Ceremony Wednesday, May 25 at 10am

ORDER OF CEREMONY

PRELUDE

ACADEMIC PROCESSION

WELCOME

Faculty Marshal

"THE STAR-SPANGLED BANNER"

President's Ensemble

(Audience participates and remains standing)

PRESIDENT'S ADDRESS

NARIMAN FARVARDIN, President

CONFERRAL OF HONORARY DEGREE TO CAL RIPKEN, JR.

Nariman Farvardin, President

Board of Trustees

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

COMMENCEMENT ADDRESS

CAL RIPKEN, JR.

CONGRATULATORY REMARKS

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

FIRST IN CLASS REMARKS

CONFERRAL OF BACCALAUREATE AND MASTER'S DEGREES

Board of Trustees

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

PRESENTATION OF BACCALAUREATE DEGREES

Kelland Thomas, Dean, College of Arts and Letters Gregory Prastacos, Dean, School of Business Anthony Barrese, Interim Dean, School of Systems and Enterprises

PRESENTATION OF DUAL DEGREES

WELCOME TO ALUMNI ASSOCIATION

VICTORIA VELASCO, President, Stevens Alumni Association

CLOSING

Faculty Marshal

ALMA MATER

President's Ensemble

(Audience participates and remains standing)

RECESSIONAL

Undergraduate Commencement Ceremony Wednesday, May 25 at 3pm

ORDER OF CEREMONY

PRELUDE

ACADEMIC PROCESSION

WELCOME

Faculty Marshal

"THE STAR-SPANGLED BANNER"

President's Ensemble

(Audience participates and remains standing)

PRESIDENT'S ADDRESS

NARIMAN FARVARDIN, President

COMMENCEMENT ADDRESS

CAL RIPKEN, JR.

PRESENTATION OF GIFT

CONGRATULATORY REMARKS

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

FIRST IN CLASS REMARKS

CONFERRAL OF BACCALAUREATE AND MASTER'S DEGREES

Board of Trustees

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

PRESENTATION OF BACCALAUREATE DEGREES

JEAN Zu, Dean, School of Engineering and Science

PRESENTATION OF DUAL DEGREES

WELCOME TO ALUMNI ASSOCIATION

VICTORIA VELASCO, President, Stevens Alumni Association

CLOSING

Faculty Marshal

ALMA MATER

President's Ensemble

(Audience participates and remains standing)

RECESSIONAL

Graduate Commencement Ceremony Thursday, May 26 at 10am

ORDER OF CEREMONY

PRELUDE

ACADEMIC PROCESSION

WELCOME

Faculty Marshal

"THE STAR-SPANGLED BANNER"

President's Ensemble

(Audience participates and remains standing)

PRESIDENT'S ADDRESS

NARIMAN FARVARDIN, President

CONFERRAL OF HONORARY DEGREE TO DEAN KAMEN

Nariman Farvardin, President

Board of Trustees

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

COMMENCEMENT ADDRESS

Dean Kamen

CONGRATULATORY REMARKS

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

CONFERRAL OF DOCTORAL DEGREES

Board of Trustees

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

PRESENTATION AND HOODING OF DOCTORAL DEGREES

CONFERRAL OF MASTER'S DEGREES

Board of Trustees

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

PRESENTATION OF MASTER'S DEGREES

Gregory Prastacos, Dean, School of Business Anthony Barrese, Interim Dean, School of Systems and Enterprises

WELCOME TO ALUMNI ASSOCIATION

CLOSING

Faculty Marshal

ALMA MATER

President's Ensemble

(Audience participates and remains standing)

RECESSIONAL

Graduate Commencement Ceremony Thursday, May 26 at 3pm

ORDER OF CEREMONY

PRELUDE

ACADEMIC PROCESSION

WELCOME

Faculty Marshal

"THE STAR-SPANGLED BANNER"

President's Ensemble

(Audience participates and remains standing)

PRESIDENT'S ADDRESS

NARIMAN FARVARDIN, President

COMMENCEMENT ADDRESS

Dean Kamen

PRESENTATION OF GIFT

CONGRATULATORY REMARKS

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

CONFERRAL OF DOCTORAL DEGREES

Board of Trustees

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

PRESENTATION AND HOODING OF DOCTORAL DEGREES

CONFERRAL OF MASTER'S DEGREES

Board of Trustees

JIANMIN Qu, Senior Vice President for Academic Affairs and Provost

PRESENTATION OF MASTER'S DEGREES

JEAN ZU, Dean, School of Engineering and Science

WELCOME TO ALUMNI ASSOCIATION

CLOSING

Faculty Marshal

ALMA MATER

President's Ensemble

(Audience participates and remains standing)

RECESSIONAL



Cal Ripken, Jr.

Cal Ripken, Jr.'s name is synonymous with strength, character, perseverance and integrity. In 1995, Ripken broke Lou Gehrig's Major League Baseball record for consecutive games played, eventually establishing a new record of 2,632 consecutive games played before retiring in 2001 after 21 seasons, all with his hometown Baltimore Orioles. Ripken was inducted into the Baseball Hall of Fame in 2007, played in 19 All-Star Games and was a two-time American League Most Valuable Player and two-time All-Star Game MVP. He is one of 12 players in history to amass more than 3,000 hits and 400 home runs.

In 1999 Babe Ruth League Inc. changed the name of its largest division (for players 5 to 12 years old) to Cal Ripken Baseball. In 2007, Ripken was named a special public diplomacy envoy to the U.S. State Department, traveling the globe and using baseball as a tool to spread goodwill. In 2015 he was named a special adviser to MLB Commissioner Rob Manfred on youth programs and outreach. In this role, Ripken advises the commissioner and MLB's Youth Programs Department regarding strategies and initiatives designed to grow the sports of baseball and softball at the amateur and youth levels.

Today Ripken is the chairman of Ripken Baseball, which operates tournament destination sites in Maryland, South Carolina and Tennessee, as well as Ripken Stadium, home to the Aberdeen IronBirds, a Class A affiliate of Major League Baseball's Baltimore Orioles.

With his family, Ripken established and operates the Cal Ripken, Sr. Foundation, a nonprofit organization benefitting underserved communities nationwide. Since its inception, the foundation has impacted more than 10 million children in underserved communities, constructing and gifting more than 100 multi-purpose fields; creating more than 100 STEM centers in U.S. elementary and middle schools; and establishing the Badges for Baseball program, bringing law enforcement and youth together in positive, engaging ways.

Ripken is the best-selling author of 12 books and a highly sought-after public speaker. He previously sat on the board of directors of video game publisher ZeniMax and is currently a member of the advisory board for the sports company DraftKings.

GRADUATE COMMENCEMENT SPEAKER



Dean Kamen

Dean Kamen is a widely renowned inventor, entrepreneur and tireless advocate for science and technology.

As an inventor, Kamen holds more than 1,000 U.S. and foreign patents, many for innovative medical devices that have expanded the frontiers of healthcare worldwide. While still a college undergraduate he invented the first wearable infusion pump. In 1976 he founded his first medical device company, AutoSyringe, Inc., to manufacture and market these pumps. Working with leading diabetes researchers, Kamen later pioneered the design and adoption of the first portable insulin pump.

At age 30, Kamen sold AutoSyringe and founded DEKA Research & Development Corporation to develop inventions and provide research and development for corporate clients. He led DEKA's development of the Homechoice peritoneal dialysis system; of technology to improve slide preparation for the Cytyc (now Hologic) ThinPrep Pap Test; and of critical components of the UVARTM XTSTM System, a photopheresis device marketed for the treatment of T-cell lymphoma.

DEKA has also worked on developing an advanced prosthetic arm for the Department of Defense agency DARPA; the HydroFlex surgical irrigation pump; the Crown stent; the iBOT mobility device; and the Segway human transporter.

Kamen was awarded the National Medal of Technology in 2000 by U.S. President Bill Clinton in recognition of inventions that have advanced medical care worldwide and for innovative and imaginative leadership in awakening America to the excitement of science and technology. He was elected a member of the National Academy of Engineering in 1997, awarded the Lemelson-MIT Prize in 2002 and inducted into the National Inventors Hall of Fame in 2005. Kamen is a Fellow of the American Institute for Medical and Biological Engineering, among many other national and international engineering organizations.

In 1989 Kamen founded FIRST® (For Inspiration and Recognition of Science and Technology), an organization dedicated to motivating the next generations of students to understand, use and enjoy science and technology. Each year FIRST serves more than 1 million young people in more than 113 countries.



Victoria Agaliotis

Jersey, is first in the Stevens Institute of Technology Class of 2022. She graduates with a Bachelor of Engineering in chemical engineering with a 4.0 GPA.

Agaliotis is a member of Omega Chi Epsilon chemical engineering honors society, Tau Beta Pi engineering honors society and belongs to the Sigma Delta Tau sorority, where she previously served as vice president of finance. She also served as vice president of finance for the Student Government Association, competed as a pole vaulter on the track and field team, and was a Peer Leader, course assistant and undergraduate admissions tour guide.

Agaliotis was an Innovation and Entrepreneurship Summer Scholar and interned with ClimateOrb as a research and development intern. She also interned with DuPont as a manufacturing technology engineering intern.

After graduation, she will intern at Mondelez as a junior product development intern and complete her master's in engineering management at Stevens. She will then join Merck at its West Point, Pennsylvania, site as part of its Quality Line Oversight Program in January 2023.



Gil Gerard Galeon Austria

il Gerard Galeon Austria of Edison, New Jersey, is first in the Stevens Institute of Technology Class of 2022. He graduates with a Bachelor of Science in computer science with a 4.0 GPA.

A Pinnacle Scholar, Austria belongs to the Kappa Sigma fraternity and Alpha Phi Omega service fraternity. He also served on the Honor Board and in the Peer Leader program and is a member of the Upsilon Pi Epsilon computer science honor society and the Filipino Association of Stevens Tech.

Austria interned abroad in South Korea with MediaZen, studied at Queen Mary University of London, and conducted research at Stevens' Summer Research Institute and the Maritime Security Center. He also completed co-ops with TD Ameritrade and Johnson & Johnson, where he continues to intern on the Experience Design team.

After graduation, Austria will complete his master's degree in machine learning at Stevens.



Audrey Azeez

udrey Azeez of Watchung, New Jersey, is first in the Stevens Institute of Technology Class of 2022. She graduates with a Bachelor of Engineering in biomedical engineering with a 4.0 GPA.

Azeez served as vice president for the American Society for Quality and was able to share research she conducted

with faculty at the 2021 Biomedical Engineering Society Annual Meeting. She also worked in the Musculoskeletal Control and Dynamics Lab, and currently has an internship at Acuitive Technologies.

After graduation, Azeez will continue her work at Acuitive as a research associate.



Lauren Brandenstein

auren Brandenstein of Plainview, New York, is first in the Stevens Institute of Technology Class of 2022. She graduates with a Bachelor of Science in quantitative finance with a 4.0 GPA and a Master of Science in business intelligence and analytics.

A Pinnacle Scholar, Brandenstein belongs to the Sigma Delta Tau sorority, where she held many positions on the general board and executive board, including vice president of finance. She also co-led the Python Club and was involved in Stevens Women in Business. She was also able to gain valuable experience by completing internships at PrivCo, Itemize, Bodhala and Merck.

After graduation, Brandenstein will work at IBM as a client engineering data scientist.



Lauren Chew

auren Chew of Hammonton, New Jersey, is first in the Stevens Institute of Technology Class of 2022. She graduates with a Bachelor of Engineering in chemical engineering with a 4.0 GPA and a Master of Engineering in engineering management.

A Pinnacle Scholar, Chew is also a member of the Gear & Triangle Society, Omega Chi Epsilon chemical engineering honor society, Tau Beta Pi engineering honor society, and belongs to Order of Omega Greek honor society and Theta Phi Alpha sorority.

She also was a Peer Leader and tutor at the Academic Support Center.

Chew studied abroad in Paris and worked on research in the Department of Chemical Engineering & Materials Science before interning as a technical operations intern at Merck.

After graduation, Chew will return to Merck at its West Point, Pennsylvania, site as part of its Technical Operations Rotational Program.



Elizabeth Chu

lizabeth Chu of Old Tappan, New Jersey, is first in the Stevens Institute of Technology Class of 2022. She graduates with a Bachelor of Science in chemical biology with a 4.0 GPA.

Chu was captain of the women's volleyball team, where she was a three-time Defensive Player of the Year, three-time CoSIDA Academic All-American, third-team American Volleyball Coaches Association All-American, Middle Atlantic Conference Women's Volleyball Senior Scholar-Athlete and participated in the Top of the V Leadership Academy. She belongs to the Phi Sigma Sigma sorority, where she served as

archon in 2021, and is a member of the Alpha Epsilon Delta national health preprofessional honor society.

Chu worked on several special projects, including an emotional intelligence educational module with the Stevens Healthcare Educational Partnership and a COVID-19 environmental analysis and education development project. She also served as a Project AHEAD intern at the Charles B. Wang Community Health Center.

After graduation, Chu will apply to medical school and be a medical scribe during her gap year.



Julia Dwight

ulia Dwight of Atlantic Highlands, New Jersey, is first in the Stevens Institute of Technology Class of 2022. She graduates with a Bachelor of Science in business and technology with a 4.0 GPA.

A Pinnacle Scholar who participated in the President's Leadership Seminar, Dwight also served on the School of Business Dean's Advisory Board. She was a member of the Entertainment Committee and served as co-festivities chair and vice president of on-campus events, and belongs to the Alpha Phi sorority, where she served as director of new member education.

Dwight gained valuable experience through summer research as a Pinnacle Scholar and interned at DailyPay as an internal communications intern.

After graduation, Dwight plans to work in marketing and information systems.



Kaylee Gardner

aylee Gardner of Ridgewood, New Jersey, is first in the Stevens Institute of Technology Class of 2022. She graduates with a Bachelor of Science in business and technology with a 4.0 GPA.

Gardner was a member of the of the Stevens School of Business Undergraduate Student Advisory Board, and a student member of the Stevens School of Business Board of Advisors Enrollment subcommittee. She is also a Stevens School of Business student ambassador and peer mentor and a member of the Beta Gamma Sigma business honor society. Gardner was the marketing director for the Duckhacks Hackathon Hack for Social Good and a general body member of the Entertainment Committee.

She gained valuable experience working as a research assistant in the School of Business and through multiple internships. She works at Constructive, where she grew from an intern into a digital marketing associate.

After graduation, Gardner will complete her master's of business administration at Stevens in December.



Christopher Musante

hristopher Musante of Wood-Ridge, New Jersey, is first in the Stevens Institute of Technology Class of 2022. He graduates with a Bachelor of Engineering in civil engineering with a 4.0 GPA.

Musante is a member of the Tau Beta Pi engineering honor society and Chi Epsilon civil engineering honor society, where he also served as treasurer. He is a student member of the American Society of Civil Engineers and belongs to the Beta Theta Pi fraternity.

Musante studied abroad at the Budapest University of Technology and Economics in Hungary and spent four co-op terms at Stantec as a transportation intern. He also interned at Stonefield and PSEG.

After graduation, Musante will return to Stantec as a civil designer and will work toward becoming a licensed professional engineer.



Kyle Neville

yle Neville of Ridgewood, New Jersey, is first in the Stevens Institute of Technology Class of 2022. He graduates with a Bachelor of Science in accounting and analytics with a 4.0 GPA.

Neville was a member of the Computer and Console Gaming Society, where he served as president. He also worked as an IT internal audit intern at Zoetis.

After graduation, he will join KPMG as an associate in Technology Assurance Audit.



Marco Polimeni

arco Polimeni, of Bartonsville,
Pennsylvania, is first in the Stevens
Institute of Technology Class of
2022. He graduates with a Bachelor of
Science in computer science with a 4.0 GPA.

A Pinnacle Scholar, Polimeni was a member of the Stevens Computer Science Club, where he served as president, and belongs to the Sigma Phi Epsilon fraternity, where he served as chair of the Cares Committee. He was a Peer Leader, co-founder of Redprint@Stevens and member of the Philosophy Salon.

He gained valuable experience as an analyst with the Stevens Student Managed Investment Fund and by doing summer research. He also interned at BlackRock.

After graduation, Polimeni will intern with Amazon this summer and then return to Stevens to complete his master's degree in computer science. He hopes to then enter the industry, likely in software engineering.



Rocco Polimeni

occo Polimeni of Bartonsville,
Pennsylvania, is first in the Stevens
Institute of Technology Class of 2022. He
graduates with a Bachelor of Science in
computer science with a 4.0 GPA.

A Pinnacle Scholar, Polimeni was a course assistant, e-board member of the Stevens Computer Science Club, where he also served as secretary and vice president, Peer Leader and Pinnacle Scholar Peer Advisor. He was a member of the Running Club, Philosophy Salon, Computer Science Student Advisory Council and helped co-found Redprint@Stevens.

He also belongs to the Order of Omega Greek honor society, the Upsilon Pi Epsilon honor society for the computing and information disciplines and Sigma Phi Epsilon fraternity.

Polimeni gained valuable experience as a quantitative analyst with the Stevens Student Managed Investment Fund and as a software development engineer intern at Amazon.

After graduation, he will intern with Amazon over the summer and then return to Stevens to complete his master's degree in machine learning.



Jenna Pralat

enna Pralat of Holliston, Massachusetts, is first in the Stevens Institute of Technology Class of 2022. She graduates with a Bachelor of Science in chemical biology with a 4.0 GPA.

A Pinnacle Scholar, Pralat is a member of the American Chemical Society. She belongs to the Theta Phi Alpha sorority, where she served as new member educator, sisterhood wellness and sisterhood development, and president and previously vice president of Stevens Habitat for Humanity. She also gained valuable experience conducting research through the Pinnacle Scholars Program.

After graduation, Pralat will complete her master's degree in chemical biology at Stevens in December and then pursue her Ph.D.



Kaitlyn Sharo

aitlyn Sharo of Odenton, Maryland, is first in the Stevens Institute of Technology Class of 2022. She graduates with a Bachelor of Science in cybersecurity with a 4.0 GPA.

An A. James Clark Scholar, Sharo was a resident of the Lore-El Center for Women's Leadership. She is also a member of the Stevens Christian Fellowship, where she served as events coordinator, worship leader and president. Sharo gained valuable experience conducting research with two professors and serving as a course assistant for five different courses. She also interned with CACI.

After graduation, she will complete her master's degree in computer science at Stevens over the summer before joining CACI in Annapolis, Maryland, as a junior software engineer.



Grant J. Simmons

rant J. Simmons of La Crosse, Wisconsin, is first in the Stevens Institute of Technology Class of 2022. He graduates with a Bachelor of Engineering in computer engineering with a 4.0 GPA.

Simmons was a member of the Stevens Climbing Team, Stevens Alpine Ski Team and IEEE-Eta Kappa Nu, the IEEE honor society. He was also a co-op mentor and principal bassist in the Stevens Orchestra. Simmons completed five central processing unit design co-ops, four with AMD and one with Apple, and worked on a SuperLU-FPGA research project at Stevens.

After graduation, Simmons plans to set off with his kayak and tent to enjoy the summer in nature. Afterward, he'll join the new silicon design team as a silicon design engineer at AMD's Boston Design Center.



Boris Tzankov

oris Tzankov of Princeton, New Jersey, is first in the Stevens Institute of Technology Class of 2022. He graduates with a Bachelor of Science in pure and applied mathematics with a 4.0 GPA.

He participated in the Poker Club and Computer and Console Gaming Society and interned with Segal.

After graduation, Tzankov will continue to pursue his master's degree in applied mathematics at Stevens.



MASTER OF ENGINEERING (HONORIS CAUSA)

Professor Hongjun Wang

Department of Biomedical Engineering Charles V. Schaefer, Jr. School of Engineering and Science

Professor Hongjun Wang, a member of the Stevens Institute of Technology faculty since 2005, is an internationally recognized scholar who is the founding chair of the Department of Biomedical Engineering in the Charles V. Schaefer, Jr. School of Engineering and Science and has developed technologies that have the potential to transform healthcare.

Dr. Wang's research focuses on the design of innovative implants, multiscale tissue reconstruction, the creation of a 3D in-vitro pathophysiological tissue model, nanomedicine and regenerative medicine. Dr. Wang has published extensively in respected international peer-reviewed journals. He has authored more than 110 peer-reviewed publications in archival journals, 11 book chapters and one book and has received three United States patents, in addition to several pending patents. He has delivered more than 100 invited talks to conferences and various institutions. He was also invited to deliver multiple keynote addresses at international conferences.

His research has been well supported by various agencies within the National Institutes of Health and the National Science Foundation and by the New Jersey Health Foundation, among other respected organizations. In addition to his own research, Dr. Wang is involved in efforts to transfer promising technologies to the marketplace, working closely with small companies, training future entrepreneurs and participating in venture capital and entrepreneurship activities.

As the chair of the biomedical engineering department since its founding in January 2018, Dr. Wang has demonstrated outstanding

dedication, developing the department by recruiting stellar faculty and staff, upgrading research and teaching facilities, cultivating a collegial and supportive environment, streamlining advising and mentoring services and enhancing student-faculty interactions. Under his leadership, undergraduate enrollment and research funding have increased significantly, paving the way for the department to continue to thrive.

Dr. Wang was elected a Fellow of the National Academy of Inventors in 2019. He also received the Innovators Award from the New Jersey Innovators Hall of Fame in 2016. At Stevens, he was recognized with the Jess H. Davis Memorial Award for Research Excellence in 2009, 2015 and 2021, and the Provost's Award for Academic Entrepreneurship in 2017. He is an associate editor of the Journal of Nanoscience Letters and serves on the editorial boards of the Journal of Biotechnology and Biomaterials and the International Journal of Nanomedicine and Nanosurgery.

Known as an outstanding educator with a devotion to high standards and an enthusiastic commitment to his students, Dr. Wang has graduated 15 Ph.D. students and mentored nine postdoctoral fellows, in addition to advising more than 80 undergraduates and more than 40 graduate students in collaborative research. Many of these students have become leading scientists in the field, serving as university faculty, research scientists and medical doctors.

Dr. Wang holds a Bachelor of Science in polymer chemistry and master's and doctoral degrees in polymer chemistry and physics from Nankai University in China. He also earned a Ph.D. in Biomedical Engineering from the University of Twente in Netherlands.

UNDERGRADUATE DEGREE CANDIDATES



Per the academic policy, if a student has entered Stevens, as of Fall 2018, highest honor is possible, if GPA is 3.85 or higher, for courses required for their degree.

The candidate list and honor/high honor/highest honor designations are compiled with information accurate as of April 1, 2022, and may not reflect actual degree completion.

The listing does not constitute an official record of graduation.

CONFERRAL OF DEGREES: AUGUST 31, 2021

Michael Blume Bachelor of Arts Narek Iskahanian Bachelor of Science*

Kelton Bernhard Bachelor of Engineering Kirk Zu Jiao Bachelor of Science in Business

Bora Bibe Bachelor of Engineering Felix Kufour Bachelor of Science in Business

Jared Bridges
Bachelor of Science

Diana Magnani Bachelor of Science*

Patrick Marques Costa Bachelor of Science Gheorge Ponocevnai Bachelor of Science**

Michael De Groot Bachelor of Engineering** Zachary Talarick Bachelor of Science*

Christine Drobish Bachelor of Arts Adam Undus Bachelor of Science**

Edward Isaiah Gaskin Bachelor of Engineering Ean Weiss Bachelor of Engineering**

Benjamin Godin Bachelor of Science in Business Alexander Zaino Bachelor of Engineering

Blake Holland Bachelor of Engineering

CONFERRAL OF DEGREES: JANUARY 31, 2022

Veronica Abramson Bachelor of Science in Quantitative Finance Greg Bender Bachelor of Science

Saurin Badlani Bachelor of Science in Quantitative Finance* Natalie Bernhard Bachelor of Science**

Kiera Barnes Bachelor of Science in Quantitative Finance** Audrey Biss Bachelor of Science***

Jennifer Beers Bachelor of Engineering Aeden J. Boriotti Bachelor of Science in Business**

CONFERRAL OF DEGREES: JANUARY 31, 2022

Lauren Ann Brandenstein Bachelor of Science in Quantitative Finance***

> Sara Braqi Bachelor of Science*

Derek Chai Bachelor of Science**

Damon Francis Del Priore Bachelor of Science

Zachary Anatol Dowbnia Bachelor of Science*

> Seung Jun Eom Bachelor of Science

Charles Fee
Bachelor of Science**

Steven J. Foley Bachelor of Science**

Alejandro Garcia Bachelor of Engineering**

Kaylee Gardner
Bachelor of Science in Business***

Ron George Bachelor of Science

Ian Grzeszczak Bachelor of Arts

Nick Guo Bachelor of Science**

Nicolas Adrian Hroncich Bachelor of Science**

Haodong Huang Bachelor of Science** Madeline Kelley Hutchison Bachelor of Science in Business*

> Jared Adam Kantor Bachelor of Engineering*

Daniel Young Kimball Bachelor of Science*

Trevor La Due Bachelor of Arts**

Zachary Lee Bachelor of Science***

Joseph Michael Lopes
Bachelor of Science in Business***

Kurt Louie Bachelor of Science**

Anthony Magnotta
Bachelor of Science in Business**

Caitlin Rae Mahoney Bachelor of Science***

Gabriel Luke Maiolo Bachelor of Science in Quantitative Finance*

> David Marechaux Bachelor of Engineering*

Sean Martin
Bachelor of Science in Quantitative Finance***

Christopher James Mendler Bachelor of Science in Business**

Ana Marija Micevska Bachelor of Science in Business***

Beata Mirtchouk
Bachelor of Science in Business***

CONFERRAL OF DEGREES: JANUARY 31, 2022

Justin Murray
Bachelor of Science in Business**

Pridhvi Myneni Bachelor of Engineering**

D'Antoine LaMarque Newsome Bachelor of Science

Taylor Cole Nicolich
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Advisor: K.P. Subbalakshmi

Yang Cheng

Civil Engineering

Nutrient Dynamics and Amendments
in Extensive Green Roofs

Advisor: David Vaccari

Huidong Dai

Chemical Engineering

Novel Methods of Hydrogen Production and
Conversion: Solar Pyrolysis of Methane and
Effects of Sulfur on Solid-Oxide Fuel Cell
Advisor: Simon Podkolzin

Patrick DePaolo

Chemical Biology Program

Novel Small-Molecule SOS1 Modulators and
Their Implications in Cancer Drug Discovery

Advisor: Woo Lee

Quanzhen Ding

Physics
A Stochastic Propagator Approach
to Quantum Open Systems
Advisor: Ting Yu

Yudi Dong

Computer Engineering
RF-Based Behavioral Biometrics
Using Deep Learning
Advisor: Yu-Dong Yao



DOCTOR OF PHILOSOPHY

Alexis Doucette

Pure and Applied Mathematics j-Multiple, k-Component Order Neighbor Connectivity Advisors: Charles Suffel and Robert Gilman

Heng Fan

Physics

Frequency Conversion and Anti-Parity-Time Symmetry Effect in Nanophotonic Thin Film Lithium Niobate Waveguide Advisor: Yuping Huang

Danilo Francati

Computer Science
Kolmogorov Complexity and Cryptography:
New Connections and Applications to
Space-demanding Functions
Advisor: Giuseppe Ateniese

Shuyue He

Materials Science and Engineering
Hybrid Dual-Functional Au-on-Ag Nanostructures
for the Monitoring of Au-Catalyzed Reactions
In-Situ by Surface-Enhanced Raman Scattering
Advisor: Henry Du

Wei Hu

Chemical Biology
Exosomes Released from Cord Blood Stem
Cells (CB-SC) Modulate Immune Response
and Improve Wound Healing
Advisor: Hongjun Wang

Jane-Frances Emoshogwe Igbadumhe

Ocean Engineering
Investigation of Coupled Sloshing and
Seakeeping Effects on a FPSO Model with
a Pair of Two-Rowed Cargo Tanks
Advisors: John Dzielski and Mirjam Furth

Matthew Janssen

Ocean Engineering
Risk-Based Assessment of Coastal Defense
Projects: Quantifying Hazard, Vulnerability
and Parametric Design Applications
Advisor: Jon K. Miller

Kiavash Kiaee

Mechanical Engineering
IPSC-Derived Disease Models Enhanced
by Multiplex Detection of Cellular Analytes
and Transcriptomic Analyses
Advisor: Robert Chang

Yanying Li

Computer Science
Fair Machine Learning Over Crowdsourced
and Graph-Structured Data
Advisor: Wendy Hui Wang

Yiwei Ma

Materials Science and Engineering
Therapeutic Prognosis of Prostate Cancer
by Profiling Urinary Biomakers for
Personalized Treatment
Advisors: Henry Du and Isaac Yi Kim

Richard Mandel

Pure and Applied Mathematics
Quadratic Equations in Baumslag-Solitar Groups
Advisor: Alexander Ushakov

Mark Mirtchouk

Computer Science
Eating Detection, Food Classification, and
Variable Selection Using Machine Learning
Advisor: Wendy Hui Wang

Milad Mirzaee

Electrical Engineering
Analysis and Design of Super-Wideband Millimeter-Wave Antennas for Synthetic-Bandwidth High-Resolution Skin Cancer Detection System
Advisor: Yanghyo Kim



DOCTOR OF PHILOSOPHY

Sheik Mohammad Mohiuddin

Electrical Engineering
Resilient Optimal Distributed Control of
Grid-Forming and Grid-Following Inverters
in Islanded Microgrids
Advisor: Junjian Qi

Alicia Muth

Pure and Applied Mathematics
A Generalization of Distance Domination
Advisors: Charles Suffel and Alexei Miasnikov

Viravid Na Nagara

Environmental Engineering
Retrofitting Stormwater Best Management
Practices for Stormwater Pollution Reduction
Advisor: Dibyendu Sarkar

Efe Ozkaya

Mechanical Engineering
Broadband, In-Vivo Mechanical Characterization of
Soft Tissues Through Magnetic Resonance Imaging
Advisor: Mehmet Kurt

Anthony Palumbo

Mechanical Engineering
1D and 2D Materials with PDMS
Substrates and Conjugated Polymers
Towards Sensing Applications
Advisor: Eui-Hyeck Yang

Li Quan

Chemical Engineering
Rheological Behavior of Gels: Viscoelasticity,
Viscoplasticity and Wall Slip
Advisor: Dilhan M. Kalyon

Jason Robbins

Chemical Engineering
Molecular Fundamentals of Catalytic
Nickel Nanoparticles for the Sustainable
Production of Chemicals
Advisor: Simon Podkolzin

Sean Patrick Sanford

Biomedical Engineering
Augmented Sensory Feedback to Accelerate
Motor Performance with Computerized
Interfaces for Rehabilitation
Advisor: Raviraj Natara

David Shekhtman

Mechanical Engineering

Multiphoton Processes for High-Speed

Optical Diagnostics

Advisor: Nicholaus J. Parziale

Haipei Sun

Computer Science
Trustworthy Crowd-Powered Data Analytics
Advisor: Wendy Hui Wang

Jingyu Sun

Chemical Sciences
Porous Metallic Nanoparticle with Nir-Window II
Absorption for Cancer Theranostics
Advisor: Hongjun Wang

Mengfang Sun

Data Science
Cyber Breaches and Meta-Learning
in Digital Marketing
Advisor: Germán G. Creamer

Michael Tamarov

Pure and Applied Mathematics
Methods in Integrable Probability:
Percolation Theory and the Parking Problem
Advisor: Pavel Dubovski

Ziyu Tang

Chemical Engineering
Molecular Fundamentals of Biomass-Derived
Feedstocks Upgrading Over Platinum
and Silver Catalysts
Advisor: Simon Podkolzin



DOCTOR OF PHILOSOPHY

Fangzhou Wang

Electrical Engineering
Cooperative Coexistence of Radar and
Communication Systems on Shared Spectrum
Advisor: Hongbin Li

Lucia Wang

Chemical Sciences

Development of Novel Antiestrogens for Drug-Resistant Breast Cancer and New Synthetic Methods for Streamlined Access to Medicinally Important Organoborons Advisor: Abhishek Sharma

Ning Wang

Electrical Engineering
Interpretable and Explainable AI for Mental Health
Advisor: K.P. Subbalakshmi

Di Wu

Materials Science and Engineering
Adaptive Polymer Nanocomposites
by Interfacial Design
Advisor: Pinar Akcora

Xixi Xiao

Materials Science and Engineering
Relative Complexation Strengths of Polyanionic
Microgels with Cationic Antibiotics
Advisor: Matthew R. Libera

Yi Yang

Materials Science and Engineering Program
Crystal Engineering of Perovskites for
Energy Applications
Advisor: Jae Chul Kim

Yiding Yang

Computer Science
Learning from Non-Grid Data via
Graph Convolutional Network
Advisor: Xinchao Wang

Beilu Zhang

Chemical Sciences

Metal Ion-Containing or Metallic

Nanomedicine for Cancer Therapy

Advisor: Hongjun Wang

Dong Zhang

Environmental Engineering

Modeling and Measuring the Transport and the
Aggregation of Microorganisms in Porous Media
Under Variable Chemical Conditions
Advisor: Valentina Prigiobbe

Fanglin Zhang

Ocean Engineering
Flood Mortality Risk Assessment
and its Application in Coastal Flood and
Sea-Level Rise Adaptation
Advisor: Philip Orton

He Zhang

Physics
Mode Selective Image Up-Conversion
and Applications
Advisor: Yuping Huang

Yingzhen Zhou

Physics
Satellite Remote Sensing of Surface Albedo
of the Cryosphere Using Scientific
Machine Learning Models

Advisor: Knut Stamnes

Di Zhu

Data Science

Three Essays on Information Retrieval Advisors: Theodoros Lappas and Steve Yang



CANDIDATES FOR THE ADVANCED DEGREE OF

DOCTOR OF PHILOSOPHY

Xi Jiang

Business Administration
Three Essays on Corporate Disclosure
Advisors: Elaine Henry and Suman Banerjee

Theano Lianidou

Business Administration Leader Status and Leadership Outcomes Advisor: Wei Zheng

Mingzhe Liu

Quantitative Finance and Financial Engineering
Pricing Financial Derivatives with
Continuous-Time Markov Chain
and Ito-Taylor Expansion
Advisor: Zhenyu Cui

Mengfang Sun

Data Science
Cyber Breaches and Meta-Learning
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Quantitative Finance and Financial Engineering
Application of Deep Learning to
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Business Administration
Three Essays on Speculation, Investments, and
Their Implications on Asset Markets
Advisors: Suman Banerjee and Ying Wu

Di Zhu

Data Science
Three Essays on Information Retrieval

Advisors: Theodoros Lappas and Steve Yang

Yunfan Zhu

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Three Essays in Order-Restricted Optimization
with Applications in Finance and Economics
Advisors: Zhenyu Cui and Chihoon Lee

SCHOOL OF SYSTEMS AND ENTERPRISES



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Daniel Appel

Systems Engineering
System Dynamics Modeling and Simulation
of STEM-H Career Pathways
Advisor: Mo Mansouri

Raif Camara Bezerra Bucar

Engineering Management
A Holistic Approach to Quantifying
Transportation Vulnerability to Flood Events
Advisor: Yeganeh M. Hayeri

Batyr Charyyev

Systems Engineering
Security of Internet of Things with
Network Traffic Fingerprinting
Advisor: Mehmet Gunes

Avishek Choudhury

Systems Engineering
A Mixed-Method Study of Artificial
Intelligence-Based Blood Utilization Calculator:
Human Factors Approach
Advisor: Onur Asan

Douglas M. Ray

Systems Engineering
Analytics for Model-Based Engineering Trade
Studies in the Development of DoD Systems
Advisor: Jose Ramirez-Marquez

Jordan Stern

Systems Engineering Strategically Robust System-of-Systems Design Advisor: Paul Grogan

Ambrosio Valencia-Romero

Systems Engineering
Strategy Dynamics in Collective Systems Design
Advisor: Paul Grogan

Xiao Wang

Systems Engineering
Understanding and Facilitating the
Usage of Mocking Frameworks for
Test Dependency Isolation
Advisor: Lu Xiao

Amineh Zadbood

Systems Engineering
A Multidisciplinary Systems Modeling Approach to
Support Design Decisions in Market Systems
Advisor: Steven Hoffenson



FACULTY AWARDS

Master of Engineering (Honoris Causa)

Hongjun Wang, Professor and Chair, Department of Biomedical Engineering, Charles V. Schaefer, Jr. School of Engineering and Science

Award for Research Excellence

Dibyendu Sarkar, Professor, Department of Civil, Environmental and Ocean Engineering, Charles V. Schaefer, Jr. School of Engineering and Science

Early Career Award for Research Excellence

Paul Grogan, Assistant Professor, School of Systems and Enterprises

Hang Liu, Assistant Professor,
Department of Electrical and Computer Engineering,
Charles V. Schaefer, Jr. School of Engineering and Science

Jess H. Davis Memorial Award for Research Excellence

Alex Wellerstein, Associate Professor, College of Arts and Letters

Henry Morton Distinguished Teaching Professor Award

Peter Dominick, Teaching Professor, School of Business

Harvey N. Davis Distinguished Teaching Assistant Professor Award

Raviraj Nataraj, Assistant Professor, Department of Biomedical Engineering, Charles V. Schaefer, Jr. School of Engineering and Science



FACULTY AWARDS

Award for Excellence in Online Teaching

Earl Sprague, Lecturer, School of Systems and Enterprises

Award for Distinguished University Service

Billy Middleton, Teaching Associate Professor, College of Arts and Letters

Award for Excellence in Undergraduate Advising/Mentoring

Majeed Simaan, Assistant Professor, School of Business

ACADEMIC REGALIA

The academic gown and hood date back to the early 14th century in England. In 1895, representatives of American colleges and universities met at Columbia University and prepared a code regulating the design and wearing of academic dress in this country. The code was revised in 1932 and again in 1960.

Each member in the procession wears the hood designating the college last attended and degree last received. The hood is worn over the shoulders and is lined with the official color or colors of the college attended. The color on the edging of the hood, a strip of velvet or velveteen about two inches wide, indicates the major field of study.

The popular trimming colors for Stevens hoods include:

Engineering, orange
Science, golden yellow
Humanities, white
Business, drab
Medicine, green
Economics, copper
Social Science, citron
Environmental Science, antique gold
Philosophy, dark blue
Music, pink
Law, purple
Fine Arts, brown

Many of our students are part of fraternal organizations and clubs. In addition to their hoods, these students may also choose to wear a cord or a stole that represents their membership in these groups.

STEVENS COMMENCEMENT 2022 STOLES, CORDS, PINS AND YOKES

STOLES	COLOR	CORDS	COLOR		
Alpha Phi	Bordeaux	Alpha Phi Omega	Blue and Gold		
Alpha Sigma Phi	Maroon with Gray	Cooperative Education	Green and Gold		
Black Student Union	Kente cloth	DeBaun PAC Music			
Chi Psi	Purple with Gold	Ensembles	Pink		
Chinese Student		Diversity & Inclusion	D: 1 1D1 1		
Association	Red and Gold	Committee of SGA	Pink and Black		
Delta Phi Epsilon	Purple with Gold	Honor Board	Burgundy and Gray		
Ethnic Student Council	Light Blue and White	Khoda	Gold		
Filipino Association of	D 1 77 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Indian Undergraduate Association	Blue, Green, Orange, White		
Stevens Tech	Red, Yellow and White	Middle Eastern Student	bide, Green, Orange, White		
Gear & Triangle	Gold	Association	Maroon, White, Black		
Hillel	Light Blue and White	Pinnacle Scholars	Silver		
International	Country-specific	President's Ensemble	Maroon and Pink		
Kappa Sigma	Red with Green	Resident Assistants	Red and Black		
Korean Student Association	Red and Gold	SAVE	Blue and Green		
Muslim Student	Neu anu Golu	Senior Class Gift Donors	Green		
Association	White	Stevens Dramatic Society	Yellow, Red and Blue		
Newman Catholic	White and Gold	Stevens Women in Business	Purple		
Nu Alpha Phi	Black with Maroon	Student Government	1		
Omega Phi Beta	Green with Gold	Association	Silver and Maroon		
oSTEM	Light Blue and Pink	The Link	Red and Gold		
Phi Sigma Kappa	Red with Gray	'Top of the V' Athletics			
Phi Sigma Sigma	White with Gold	Leaders Veterans WCPR Women in Computer Science	Red, White and Black		
Sigma Delta Tau	Navy Blue with Gold		Red, White and Blue		
Sigma Nu	Gold with Black		Light Blue and Burgundy		
Sigma Phi Epsilon	Red with Purple & Gold		Drumla and Cilron		
Sigma Psi Zeta Sorority	Red with Gold	Science	Purple and Silver		
Stevens Thon	Light Blue with Black & Gold	PINS			
Stevens Christian		First-Generation College Students			
Fellowship	Maroon and Gold	Lore-El Center for Women's Leadership			
Theta Alpha Phi Purple with White		LGBTQ+ Students			
Theta Phi Alpha	-		Students of Color		
Varsity Athletes	Gray with Red				
West Indian Student	Royal Rlue	YOKE	COLOR		
Organization Royal Blue		Tau Beta Pi	White		

HISTORY OF THE STEVENS MACE

Many colleges have a ceremonial mace that is used in their formal academic functions. These maces are usually comprised by a half- or full-staff and have a distinctive ornamental head. They are adapted to be borne by, or carried before, a college dignitary as a symbol of authority in academic processions.

The Stevens Mace was donated by Dr. Willis H. Taylor, Jr. 1916, after completing a decade as Chairman of the Board of Trustees. It was presented to the Board at a meeting held prior to the 87th Commencement ceremony on June 13, 1959. It is a half-staff, made by Tiffany & Co. of New York of sterling silver and bears the Stevens seal in its crown-like head.

Today the mace will be carried in and out of the ceremony by the Faculty Marshal, leading the dignitaries who will officiate today's Commencement.

ALMA MATER

Where flows the Hudson River out to the mighty sea On Castle Point so proudly stands there in majesty Stevens, our Alma Mater, homage to Thee we pay With loyal hearts and voices true to the Red and Gray.



stevens.edu