

DEPARTMENT OF
ELECTRICAL ENGINEERING
AND COMPUTER SCIENCE

**CLASS OF 2021
AWARDS
CEREMONY**



United States Military Academy
West Point, New York

20 May 2021



Class of 2021

Computer Science Majors

Ryan Barrios
Thomas Bordeaux
Taylor Bradley 🏆
Young Ho (Peter) Cha 🏆 🏆 🏆
Chloe DeWees 🏆 🏆
John Eberling 🏆 🏆
Alexander Heldstab 🏆
Harry Hernberg
Yoon Taek Hwang
Bryan Kim
Colin Kim 🏆
Jeoh Lee
Cheng-Lien Li
Hyun Jin Lim
Joo Bon Maeng 🏆
Lucas Manion
Kendyl McFarland
Mason Michels
Jarod Mockus 🏆
Oscar Morales
Aaron Mullally
Timothy Park
Elijah Parrott
Trevor Powers 🏆 🏆
Bonifacio Quiambao
Samantha Rankin
Paul Roberts
Esther Roman 🏆 🏆
David Rose
Daniel Rush
Matthew Rusiniak 🏆
Jacob Scriffiny 🏆 🏆
Cara Shattan
Connor Smith
Orlando Sullivan
Richard Sung
Trevaun Turner 🏆
Jason Wang

Cyber Science Majors

Giovan Navarro
Anton Rowe

Electrical Engineering Majors






Alexandre Dang
Ryan Farris 🏆
Mason Horstmann
Peter Howell 🏆 🏆 🏆 🏆
Curtis Manore 🏆 🏆 🏆 🏆
Garyth Morgan
Stone Stephens 🏆 🏆 🏆 🏆
Andrew Whittle

Information Technology Majors

Christian Falk
Donte Harris
Orion Hollin
Nathaniel Lambert
Ian Thomas 🏆

Electronic & Information Technology Systems Major

Andrew Sweatt

	Honors Graduate
	Member, Upsilon Pi Epsilon
	Member, Eta Kappa Nu
	Member, Tau Beta Pi
	Member, Phi Kappa Phi

Excellence in Introduction to Computing and Information Technology

Michael Cassese (2019), Tristen Laney (2020)

Marshall Carter Iron Eagle Award

Alexander Heldstab

Research Center Excellence Awards

BG Clifton Carroll Carter Award

Alexander Heldstab

Award for Excellence in Photonics

Stone Stephens

Award for Excellence in Robotics

Curtis Manore

Space Enabler 3Y Identifier

Bryan Kim

Senior Capstone Design Project Awards

Best Presentation

Hacking Machine Learning - Deep Fakes

Peter Cha, Nathaniel Lambert, Jeoh Lee, Cheng-Lien Li, Trevaun Turner

Best Overall Project, Third Place

Anomaly Detection in Smart Grids

Alexandre Dang, Oscar Morales, Connor Smith

Best Overall Project, Second Place

DREAD

Alexander Heldstab, Harry Hernberg, Orion Hollin,
Kendyl McFarland, Jarod Mockus, Aaron Mullaly

Best Overall Project, First Place

Hacking Machine Learning - Deep Fakes

Peter Cha, Nathaniel Lambert, Jeoh Lee, Cheng-Lien Li, Trevaun Turner

Computer Science Program Awards

Upsilon Pi Epsilon Honor Society Cadet-in-Charge

Colin Kim

Outstanding Computer Science Major

Esther Roman

U.S. Grant Memorial Award for Excellence in Computer Science

Jacob Scriffiny

Cyber Science Program Awards

Excellence in the Cyber Engineering Sequence

Benjamin 'Iggy' Siegel

Inaugural Cyber Science Graduates

Giovan Navarro, Anton Rowe

Electrical Engineering Program Awards

Eta Kappa Nu Honor Society Cadet-in-Charge

Peter Howell

Excellence in the Robotics Engineering Sequence

William Nevils

Outstanding Electrical Engineering Major

Stone Stephens

AFCEA Award for Excellence in Electrical Engineering

Curtis Manore

Information Technology Program Awards

Outstanding Information Technology Major

Nathaniel Lambert

The Bilodeau Award for Excellence in Information Technology

Ian Thomas

EECS Department Awards

Dr. George M. Krembs Innovation Award

Software Defined Network (SDN) for Internet of Things (IoT) Security

Taylor Bradley, Colin Kim, Elijah Parrott, Matthew Rusiniak

Electrical Engineering and Computer Science Award for Excellence

Curtis Manore

The Harry and Diane Van Trees Professional Development Award

Taylor Bradley

Papers, Presentations, Scholarships, and Awards

T. Bradley and E. Alhajjar, “Survival Analysis for Insider Threat: Detecting Insider Threat Incidents using Survival Analysis Techniques,” accepted for publication in Computational and Mathematical Organization Theory, 2021.

C. DeWees, “The Future of the Restaurant Industry in the Face of Growing Third-Party Delivery Services,” presented virtually at the 2021 National Conference on Undergraduate Research (NCUR), April 2021.

C. Manore, P. Manjunath, and D. Larkin, “Maximizing object detection using sUAS,” Proc. SPIE 11605, Thirteenth International Conference on Machine Vision, January 2021.

C. Manore, P. Manjunath and D. Larkin, “Performance of Single Board Computers for Vision Processing,” 2021 IEEE 11th Annual Computing and Communication Workshop and Conference (CCWC), January 2021.

T. Park, **J. Scriffiny**, **N. Smith**, and T.A. Babbitt, “A Raspberry Pi Mesh Network to Monitor Biodiversity,” in Proceedings of the 8th Annual Symposium and Bootcamp on Hot Topics in the Science of Security, April 2021.

T. Powers, M. Novitzky and C. Korpela, “Improving Reward Functions in Robots Playing Capture the Flag Using Q-Learning,” 2021 IEEE 11th Annual Computing and Communication Workshop and Conference (CCWC), January 2021.

S.K. Stephens, K.A. Ingold, M.J. Pfenning and J.J. Raftery Jr., “Beam Propagation Study of On-Wafer Multiple-Defect Photonic Crystal VCSEL Arrays,” Proc. SPIE 11704, Vertical-Cavity Surface-Emitting Lasers XXV, March 2021.

Dean’s Inter-Departmental Project Award

★ Winner: RADBOT - Mason Michels, Paul Roberts, Ian Thomas, Andrew Whittle, Travis Catina, Sean Fitzsimons, Megan Muffet, Tom Parsons, Ivan Pearson, August St. Louis

GEM Fellowship

★ Taylor Bradley - Johns Hopkins University

MIT - Lincoln Laboratory Military Fellowship

★ Curtis Manore - Northeastern University

★ Trevor Powers - Northeastern University

★ Stone Stephens - Harvard University

2021 Awards Ceremony

**Class of 2021
Computer Science
Majors**

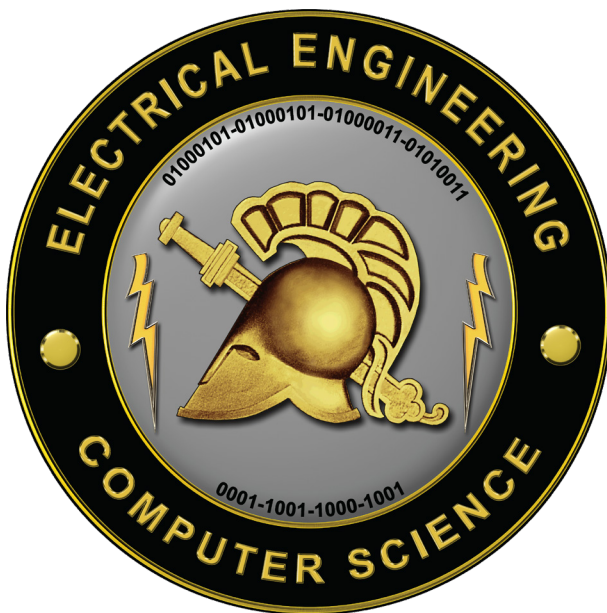


**Class of 2021
Cyber Science
Majors**

**Class of 2021
Electrical Engineering
Majors**



**Class of 2021
Information Technology
Majors**



EECS thanks the following organizations and individuals for their sponsorship of Projects Day, the Awards Breakfast, and all our cadet development programs:

- Mrs. Ruth “Sam” Bilodeau
- Dr. Harry and Mrs. Diane Van Trees
- Veterans of Foreign Wars
- Dames of the Court of Honor
- Dr. George M. Krembs
- Mr. Marshall Carter & Family