Scholarship for Women Studying Information Security (SWSIS)
Awards for 2017-18 Academic Year

Jeremy Epstein
What is ACSA?

- Non-profit sponsor of ACSAC, NSPW, and other security workshops
- Run by a board of 14 unpaid members
  - Marshall Abrams, The MITRE Corporation (Founder)
  - David Balenson, SRI International
  - Matt Bishop, UC Davis
  - Gabriela Ciocarlie, SRI International
  - Jeremy Epstein, National Science Foundation
  - Daniel Faigin, The Aerospace Corporation (Secretary)
  - Carrie Gates
  - Ann Marmor-Squires, The Sq Group (VP)
  - Charlie Payne, Adventium Labs
  - Harvey Rubinovitz, MITRE (Treasurer)
  - Steve Schwab, USC ISI
  - Cristina Serban, AT&T Security Research Center (President)
  - Robert Zakon, Zakon Group LLC
  - Mary Ellen Zurko, MIT Lincoln Laboratory
- More info at www.appliedcomputersecurity.org
A CSA Mission

The Applied Computer Security Associates (ACSA) is a non-profit association of computer security professionals who have a common goal of improving the understanding, theory, and practice of computer security. To this end, ACSA supports a number of activities, all of which serve the goal of improving the computer security field.
The SWSIS Program

• Goal is to encourage women studying information security
• Scholarships up to $10K for women in junior/senior year or masters program
• Renewable given satisfactory progress
• Focus on any aspect of information security
• Applicant review/selection by CRA Committee on the Status of Women in Computing Research (CRA-W)
• Co-funding by Hewlett Packard Enterprise $250K
• Co-funding by Symantec $75K
New for 2017-18: Rebecca Gurley Bace Memorial Scholarship

• In memory of Becky Bace, mentor, inventor, and entrepreneur, and long-time ACSAC attendee
• First scholarship to Kimberly Ruth, University of Washington
• Contributions accepted: see www.swsis.org or talk to an ACSA board member
Who?

• The ACSA SWSIS Team
  – Jeremy Epstein, National Science Foundation, chair
  – Ann Marmor-Squires, The Sq Group
  – Cristina Serban, AT&T
  – Mary Ellen Zurko, MIT Lincoln Labs

• The CRA-W Team
  – Rebecca Wright, Rutgers (chair)
  – Terry Benzel, University of Southern California
  – Marina Blanton, University at Buffalo
  – Diana Burley, George Washington University
  – Melissa Chase, Microsoft
  – Tadayoshi Kohno, University of Washington
  – Daniela Oliveira, University of Florida
  – Zachary Peterson, Cal Poly, San Luis Obispo
  – Bhavani Thuraisingham, University of Texas at Dallas
2017-18 results

- About 75 complete submissions
- 15 SWSIS Scholars from *(italics are at ACSAC)*:
  - Madeleine Barowsky, Wellesley College
  - Celine Irvene, Georgia Institute of Technology
  - Catherine McLean, Northeastern University
  - Kimberly Ruth, University of Washington
  - Brooke Bullek, Bucknell University
  - Robin Burkett, George Mason University
  - Angela Rice, WGU Washington
  - Caroline Cox, Washington College
  - Nicole Price, New Mexico State University
  - Scarlett Levine, State University of New York at Albany
  - Ivy Oeltjenbruns, Dakota State University
  - Yin Mei, NYU Tandon School of Engineering
  - Victoria Mondragon, Albany State University
  - Hannah Kabir, State University of New York at Albany
  - Loan Hanlon, University of Maryland University College
Introducing Madeleine Barowsky

- Education: B.S. CS & Math, Wellesley College, Dec 2017
- Interests: Cryptography & privacy, especially at their intersection of privacy-preserving technologies like secure multiparty computation (MPC) and differential privacy
- After Bachelors: Traveling, then to industry on a security team; grad school in the future
- Hobbies: Fencing and cooking!
Introducing Nicole Price

• Education: Senior at New Mexico State University (NMSU), Las Cruces NM
• Interest areas: programming and software defined networking, bringing more software engineering to cyber security
• After Bachelors: Graduating this week, starting on MS @ NMSU
• Hobbies: math, music, and being in the mountains
Introducing Celine Irvene

• Education: 2nd year graduate student at Georgia Tech – graduating this month!
• Interest areas: IoT device security and CPS security
• After Masters: Starting on a PhD in ECE at Georgia Tech
Introducing Ivy Oeltjenbruns

- Education: BS Cyber Operations / Cyber Forensics, Dec 2018 @ Dakota State University
- After Bachelors: Pursue MS in Applied Computer Science at DSU
Introducing Robin Burkett

• Education: MS Computer Forensics, May 2018 @ George Mason University
• After degree: Apply skills in current job
• Hobbies: photography, especially of animals, and enjoy traveling
Introducing Scarlett Levine

- Education: B.S. Digital Forensics @ University at Albany, May 2019
- Interest areas: Digital forensics
- After Bachelors: “plan on getting a fluffy white puppy to keep me company while I find a computer forensics career working for the government or private sector”
Introducing Victoria Mondragon

- Education: BS @ the University at Albany, May 2018
- Interest areas: Forensics, law, cyber security, criminal justice
- After Bachelors: Job within a forensics and/or law enforcement agency
- Hobbies: Recipient of the University at Albany's Spellman award- maintaining the highest GPA of all females of ethnic minority at the university
Introducing Hannah Kabir

- Education: MS in Cybersecurity @ Johns Hopkins, fall 2020
- Interest areas: Network security and ethical hacking
- Employment: Cyber security analyst at KeyBank
- Future plans: Eventually be a cybersecurity consultant
- Honors: During last undergraduate semester at University at Albany, won the President’s Award for Leadership – Ada Craig Walker Award for being a woman who “in judgment of the faculty best typifies the ideals of the University.”
- Hobbies: Cooking elaborate desserts and hiking in the Adirondacks
Introducing Catherine McLean

- Education: BS CS with concentration in cyber operations, Northeastern Univ, May 2019
  - Teaching assistant for intro programming class
  - Passionate about supporting next generation of women in security
- Interest areas: Emulation development and vulnerability research
- After Bachelors: Pursue MS CS
- Internships: Cyber Engineer at a government defense contractor (Raytheon) in Maryland (twice)
What can you do?

• Apply to be a SWSIS Scholar
• Spread the word about the program
• Encourage your employer to co-fund
• Mentor/recruit our SWSIS Scholars
2018-19 program

• Applications accepted Dec 4 2017-Feb 1 2018
• More info on eligibility and applications at http://www.swsis.org
• Thank you to HPE, Symantec and CRA-W!