

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

Jeremy Epstein

Applied Computer Security Associates, Inc.

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

ACSA 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



CRA-W

Computing Research
Association

Women



Hewlett Packard
Enterprise

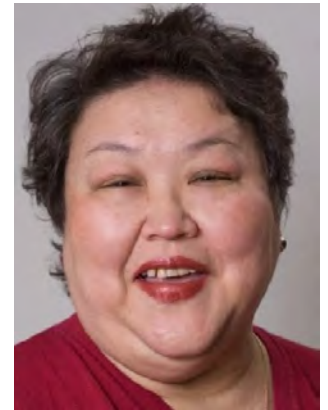


Symantec.

scholarships for women
SWSIS
studying information security

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?

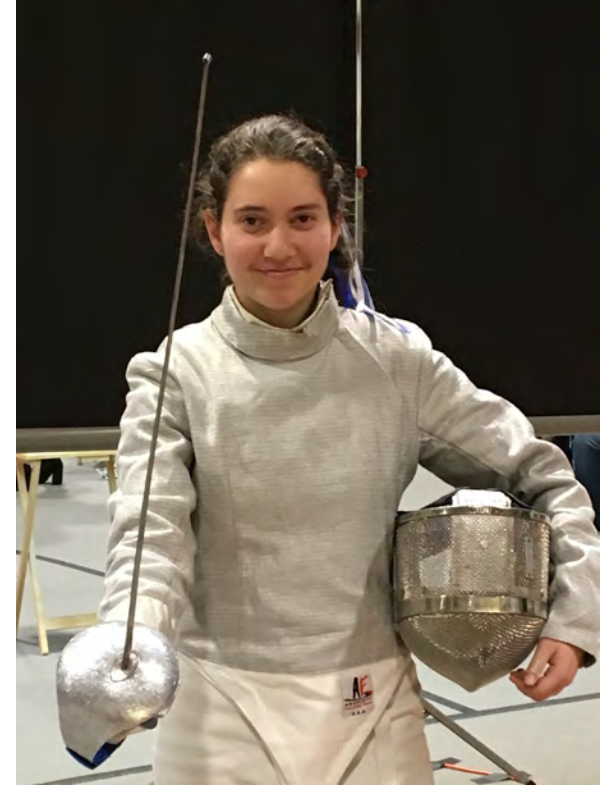
- The ACSA SWSIS Team
 - Jeremy Epstein, National Science Foundation, chair
 - Ann Marmor-Squires, The Sq Group
 - Cristina Serban, AT&T
 - Mary Ellen Zurko, MIT Lincoln Labs
- The CRA-W Team
 - Rebecca Wright, Rutgers (chair)
 - Terry Benzel, University of Southern California
 - Marina Blanton, University 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 Irvine, 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 Irvine

- 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.swwsis.org>
- Thank you to HPE, Symantec and CRA-W!



CRA-W

Computing Research
Association
Women



Symantec.



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