

Josephine Lamp

Rice Hall, 85 Engineer's Way • Charlottesville, VA 22903
Email: jl4rj@virginia.edu • josephinelamp.com

Education

2018 – Present	PhD Student, Computer Science Jefferson Fellow School of Engineering and Applied Science University of Virginia, Charlottesville, VA
2014 – 2018	BS in Biomedical Informatics Barrett, the Honors College, Arizona State University, Tempe, Arizona Graduated Summa Cum Laude and with honors as Outstanding ASU Graduate
2014	Apple Certified Macintosh Technician Tech ID: NT56FCB25F

Work Experience

Jan. 2015 – Jun. 2018	Undergraduate Researcher ASU Center for Cybersecurity and Digital Forensics, Tempe, AZ
Aug. 2017 – May 2018	Research Affiliate Mayo Clinic, Scottsdale, AZ
May 2017 – Aug. 2017	Technology Early Career Development Intern Cigna, Phoenix, AZ
Jun. 2016 – Aug. 2016	Engineering Intern Performance Software, Phoenix, AZ
Aug. 2014 – Sept. 2016	Apple Certified Repair Technician Sun Devil Marketplace Apple Repair Center at ASU

Publications

CONFERENCE PAPERS:

ExSol: Collaboratively Assessing Cybersecurity Risks for Protecting Energy Delivery Systems

[Josephine Lamp](#), Carlos E. Rubio-Medrano, Ziming Zhao and Gail-Joon Ahn
2019 Workshop on Modeling and Simulation of Cyber-Physical Energy Systems (MSCPES), Montreal, Canada, April 15-18, 2019

The Danger of Missing Instructions: A Systematic Analysis of Security Requirements for MCPS

[Josephine Lamp](#), Carlos E. Rubio-Medrano, Ziming Zhao and Gail-Joon Ahn
3rd International IEEE/ACM Conference on Connected Health: Applications, Systems and Engineering Technologies: CHASE-MedSPT 2018, Washington, DC, USA, September 26-28, 2018 [[link](#)]

Ardent Health Aegis: Security Analysis and Monitoring for Medical Cyber-Physical Systems

[Josephine Lamp](#)
Barrett Honors Thesis



Mutated Policies: Towards Proactive Attribute-based Defenses for Access Control

Carlos E. Rubio-Medrano, [Josephine Lamp](#), Adam Doupé, Ziming Zhao and Gail-Joon Ahn

2017 Workshop on Moving Target Defense, in conjunction with CCS 2017, Dallas, TX, USA, October 30, 2017

OntoEDS: Protecting Energy Delivery Systems by Collaboratively Analyzing Security Requirements

[Josephine Lamp](#), Carlos E. Rubio-Medrano, Ziming Zhao and Gail-Joon Ahn

3rd IEEE International Conference on Collaboration and Internet Computing, San Jose, CA, USA, October 15-17, 2017

Towards Adaptive and Proactive Security Assessment for Energy Delivery Systems

[Josephine Lamp](#), Carlos E. Rubio-Medrano, Ziming Zhao and Gail-Joon Ahn

2017 Workshop on Modeling and Simulation of Cyber-Physical Energy Systems (MSCPES), Pittsburgh, PA, USA, April 21, 2017

Towards a Moving Target Defense Approach for Attribute-based Access Control

Carlos E. Rubio-Medrano, [Josephine Lamp](#), Marthony Taguinod, Adam Doupé, Ziming Zhao and Gail-Joon Ahn

1st ACM Workshop on Attribute-based Access Control (ABAC), New Orleans, LA, USA, March 11, 2016

Awards

- Grad Cohort for Women 2019 [selected participant](#) in Chicago, IL, December 2018 [\[link\]](#)
- [Student Scholarship](#) to Women in Cybersecurity conference (WiCys) 2019 in Pittsburgh, PA, December 2018 [\[link\]](#)
- [Jefferson Fellowship Recipient](#) and [UVA Distinguished Engineering Fellowship Recipient](#), August 2018 [\[link\]](#)
- [Arizona State University Outstanding Graduate Award](#), May 2018 [\[link\]](#)
- National Center for Women in Technology [Collegiate Award Finalist](#), March 2018 [\[link\]](#)

Service

Jan. 2019 – Present: [Workshop Mentor](#) at Computers4Kids [\[link\]](#)

Aug. 2019 – Present: Jefferson Journal of Science and Culture [Editor-in-Chief](#) [\[link\]](#)

Jan. 2019 – Present: Computer Science Graduate Student Group (CSGSG) [Representative](#) [\[link\]](#)