

Haina (Hannah) Li

Fairfax VA; Charlottesville VA
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EDUCATION

University of Virginia, School of Engineering and Applied Science, Charlottesville VA

Master of Science in Computer Science

August 2015 – August 2017

Courses: Understanding and Securing TLS, Machine Learning (including machine vision and NLP), Data Science Software Engineering, Programming Languages, Computer Architecture,

University of Virginia, College of Arts and Sciences, Charlottesville VA

August 2011 – May 2015

BA in Computer Science, BA in Chemistry

RESEARCH EXPERIENCE

PhD Research Assistant (Mentor: David Evans)

August 2015–Present

Computer Science Department, UVA

- Automated web authentication testing, improving password manager designs, and distributing trust among certificate authorities (See Publications)

Undergraduate Research Assistant (UVA)

August 2014 – June 2015

- Twitter Single-Sign-On: Testing for security leaks and vulnerabilities in web applications that uses Twitter Single Sign-On (implemented using OAuth 1.0A) by examining traffic through Fiddler, an HTTP debugging proxy server application.

PUBLICATIONS

Horcrux, A Password Manager for Paranoids, **Hannah Li** and David Evans

In arXiv, June 2017. [Project Page](#). *Under Review*

Decentralized Certificate Authorities, Bargav Jayaraman, **Hannah Li** and David Evans (*co-equal first authors*)

In arXiv, June 2017. [Site](#). [Project Page](#). *Under Review*

POSTERS

Insecure by Default? Authentication Services in Popular Web Frameworks, **Hannah Li** and David Evans

USENIX Poster Sessions, August 2016. [Abstract](#).

WORK EXPERIENCE

Cybersecurity Analyst at CGI Federal

June 2015 – August 2015

- Creating scripts to automate analyst tasks and increase operational efficiency for the security team
- Performing active network monitoring, investigating and responding to security incidents, performing dynamic and static analysis on malware binaries
- Experience with Palo Alto Firewall (and WildFire), FireEye, Damballa, WireShark, Fiddler, Splunk

PROGRAMMING SKILLS

- Most proficient: Python, JavaScript
- Prior Experience: Java, C/C++, PHP, JQuery, HTML/CSS, MySQL

ACTIVITIES AND HONORS

- Echols Scholar and College Science Scholar – UVA
- College Science Scholar Summer Research Scholarship Recipient
- Summer Research Fellowship Scholarship Recipient