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Web & Git
sdamashek.me
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Programming
Python, C

Java, C++
HTML, CSS, JS

Flask, Django
Android

Networking
Cisco IOS
HP Procurve
Juniper JUNOS

TCP/IP

OS Preference
Linux ★★★★★
Windows ★★★★★
MacOS ★★★★★

Samuel Damashek

Computer Security Researcher

Experience

06/15 - Now **Security Research Intern** [Invincea Labs, Arlington, VA](#)
Technical and research work on several computer network operations projects. Developed an Intrusion Prevention System fingerprinting tool using Python and Scapy. Created an Android application to collect sensor data and report to a collection server using Protocol Buffers and gRPC. Assisted with implementation of long-term infrastructure projects.

09/13 - Now **Student Sysadmin** [Thomas Jefferson HS for Science and Technology, Alexandria, VA](#)
Volunteered to help maintain production school webserver, mailserver, and computer systems lab. Oversaw other students as co-lead and lead of the program. Employed by school district starting early 2016 to temporarily replace staff lead.

08/16 - 01/17 **Programming Lead** [Averia](#)
Coded an iOS application using Swift and a corresponding Flask web application to help create a cost-effective concussion detection system using an iPhone and a cardboard headset. Won first place at MLH Prime 2016 Hackathon.

05/12 - 09/12 **Volunteer Intern** [Binary Group, Alexandria, VA](#)
Assisted with the design, development, and testing of a mobile application developed to help caseworkers coordinate care for homeless veterans.

Education

2017 - 2021 **Bachelor of Science in Computer Science** [Carnegie Mellon University](#)
Main Subjects: Computer Science, Mathematics

2013 - 2017 **Advanced Studies Diploma** [Thomas Jefferson HS for Science and Technology](#)
Main subjects: Computer Science, Mathematics
Artificial Intelligence, Parallel Computing, Computer Vision
Multivariable Calculus, Linear Algebra, AP Physics C

Awards

04/2017 **Second place (team)** [Carnegie Mellon University](#)
PicoCTF 2017 computer security competition

11/2016 **Most Innovative Pediatric Device Companies** [Children's National Health System](#)
Top 12 for Averia

08/2015 **Ninth place (team)** [DEFCON CTF 2015 Finals](#)
With Shellphish (UCSB) team

04/2015 **Finalist, Junior Security Competition** [City of Seoul, South Korea](#)
CODEGATE 2015

10/2014 **Sixth place (team)** [Carnegie Mellon University](#)
PicoCTF 2014 computer security competition

Projects

- 07/2016 **Running Windows 64-bit in QEMU Emulation Mode** [Invincea Labs](https://www.invincealabs.com/blog/2016/07/running-windows-64bit-qemu/)
<https://www.invincealabs.com/blog/2016/07/running-windows-64bit-qemu/>
- 05/2016 **TJCTF 2015** [Thomas Jefferson HS for Science and Technology, Alexandria, VA](#)
Designed and executed an architecture plan for the national TJCTF computer security competition using Microsoft Azure and Docker