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Web & Git
sdamashek.me
github.com/sdamashek

Programming
Python, C

Java, C++, Go
HTML, CSS, JS

Flask, Django
Android

MySQL

Networking
Cisco IOS
HP Procurve
Juniper JUNOS

TCP/IP

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

Samuel Damashek

Programmer & Security Researcher

Experience

- 05/18 - 08/18 **Software Engineer, Tools and Infrastructure Intern** [Google, Sunnyvale, CA](#)
Summer intern on Google Cloud Engineering Productivity team. Interfaced with Google-internal machine management systems to provide a machine health dashboard written in Go.
- 06/15 - 08/17 **Security Research Intern** [Two Six Labs \(formerly Invoicea Labs\), Arlington, VA](#)
Technical and research work on several computer network operations projects. Technologies used: C++, Protocol Buffers, Android (Java), Python. Expanded QEMU software emulation to Windows 64-bit as part of implementing reliable 64-bit Linux and Windows support in a large binary analysis project.
- 09/13 - 06/17 **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.

Education

- 2017 - 2021 **Bachelor of Science in Computer Science** [Carnegie Mellon University](#)
GPA: 4.0 (2x Dean's List)
Activities: PPP, Moot Court (law/debate)
- 2013 - 2017 **Advanced Studies Diploma** [Thomas Jefferson HS for Science and Technology](#)

Awards

- 11/2017 **Top 16 (team)** [University of Akron](#)
Moot Court regional tournament
- 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

Projects

- 03/2018 **Chip8 CPU Emulator** [GitHub](#)
Wrote an emulator for the chip8 CPU architecture in Rust.
<https://github.com/sdamashek/chip8>
- 09/2016 **Received Rewards for Multiple RCE Vulns** [Yahoo Mail, Flickr](#)
Reported vulnerabilities through [HackerOne](#), received >\$20,000 in bug bounties
- 07/2016 **Running Windows 64-bit in QEMU Emulation Mode** [Invoicea Labs](#)
<https://www.invoicealabs.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