

Paul Walko

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Summary: I'm experienced with low-level linux software, focusing on network security. I'm very active as the sysadmin for Virginia Tech's linux group and help maintain several services.

EDUCATION

Virginia Tech, GPA: 3.08 *Blacksburg, VA*
Pursuing Bachelor of Science *2019*
Major: Computer Science
Minor: Cyber Security, Math

WORK EXPERIENCE

Cybersecurity Engineering Intern *May 2017 - Current*
Cisco Systems, Security & Trust Organization *RTP, NC*

- Developed Linux security module
- Helped design anti-malware software for IoT devices

Research Assistant – Created portable, concealable Bluetooth pen-testing device *Sep 2016 - May 2017*
Hume Center at Virginia Tech *Blacksburg, VA*

- Intercepted data from keyboards, mice, and other BLE devices
- Analyzed data using Wireshark and python to find patterns and vulnerabilities

S.W.A.T Technician *Aug 2016 - May 2017*
Virginia Tech College of Engineering *Blacksburg, VA*

- Assisted customers with software/OS installation
- Removed malware/viruses
- Diagnosed installation and network issues

Summer Camp Instructor / Lead Instructor *Summer 2014, 2015*
Lincoln Heritage Council, Boy Scouts of America *Clermont, KY*

- Taught large classes various scouting skills
- Supervised a boy scout summer camp area

PROJECTS

Github: github.com/paulwalko/phenny

- IRC bot (github.com/mutantmonkey/phenny)
- Maintain several modules

TECHNICAL SKILLS / AWARDS

Eagle Scout, Troop 306 *2013*
Networking

- Analyzed Bluetooth packets in Ubertooth project using Wireshark and TCPDump
- Set up secure virtual machine (from vulnhub.com) to practice exploits

EXTRACURRICULARS

Virginia Tech Linux/Unix Users Group *2015-Present*

- Sysadmin
- Help maintain wiki, shell server, and webserver. See vluug.org/services

Outdoor Club at Virginia Tech *2015-Present*

- Maintain parts of the Appalachian Trail regularly
- Website maintainer: www.outdoor.org.vt.edu