

Paul Walko

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EDUCATION

Virginia Tech, GPA: 3.08

Blacksburg, VA

Pursuing Bachelor of Science

2019

Major: Computer Science

Minor: Cyber Security, Math

WORK EXPERIENCE

Research Assistant – Created portable, concealable Bluetooth pen-testing device

Fall 2016-2017

Hume Center at Virginia Tech

Blacksburg, VA

- Used Ubertooth to perform passive MITM attacks
- 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

Fall 2016-2017

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
 - Taught and organized several classes for future use
 - Managed materials for every-day activities
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PROJECTS

All this are on my Github: github.com/paulwalko

WaypointLogger

- Android app that records your GPS location and saves it to a .kml file for overlaying on google maps

RoboLog

- Simple hour tracking service written in PHP
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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

Operating Systems

- Very comfortable working with Linux command line and am familiar with common tools
 - Use Arch Linux as primary OS
 - Maintain an AWS remote server, and 3 virtual OSes for varying purposes
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EXTRACURRICULARS

Virginia Tech Linux/Unix Users Group

2015-Present

- Help maintain several servers and services
- See vtluug.org/services

Outdoor Club at Virginia Tech

2015-Present

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