



Andrew Cabey

Programmer and Reverse Engineer

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Personal Statement

I am Andrew Cabey, an aspiring computer science student at Northeastern University with interest in cyber security and Free Software. I have been hacking, cracking, creating and doing my best to understand technology since a young age and intend to continue this pursuit.

I am always looking for learning opportunities and a chance to do meaningful, impactful work.

Experience

Town of Westwood

Summer IT Intern, June-Aug. 2014-2016

- Tasked with configuring the town's new computer systems and networking devices
- Automated Windows system configuration with scripting (Powershell, Batch)

USSTEAM Academy

Teacher, Sept. 2017 - June 2017

- Teacher in supplementary education program
- Created and taught Java programming courses

Free Software Foundation

Sysadmin Intern, June 2017 - Aug. 2017

- Helped design security schema for virtualization/distributed storage server cluster
- Conducted vulnerability assessment

Personal Projects

Free60

- Research and reverse engineering the Xbox 360
- Revive an inactive project with new energy
- Build an education structure for new contributors

Homelab

- Recreation of an enterprise production network with repurposed server and networking hardware
- Designed and implemented networking infrastructure, networked file system, open-source hypervisor/virtualization technologies, and open-source services

Portfolio Website / Blog

Education

Westwood High School

Graduate of Class 2017

- GPA 4.2/4.5
- National AP Scholar

Northeastern University

Graduate of Class 2021

- Computer science with cyber operations concentration

Activities

Westwood FIRST Robotics Team

Lead Programmer

- Innovated new methods of robot control with PID-assisted driving and vision-backed targeting implemented in Java
- Led outreach to expose younger students to STEM programs in Westwood

Westwood Hack Club

Leader/ Co-founder

- Programming club providing a space to nourish curiosity and personal growth
- Introduce students to computer science with projects in web development (HTML, CSS, Javascript) and hardware tinkering (Arduino)

Skills - Qualifications

Programming

Java, C, Python, Bash, C++, x86 ASM, HTML, CSS, Javascript, SQL

Technologies

QEMU/KVM, Proxmox, Libvirt, LDAP, apache2, pfSense

Qualifications

CompTIA A+, CompTIA Security+