



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

Freelance

Systems administrator, Jan. 2017 - Present
- Debian, RHEL, and embedded systems

Free Software Foundation

Systems admin Intern, June 2017 - Aug. 2017
- Helped design security schema for virtualization and distributed storage cluster (Libvirt, Bash)
- Conducted vulnerability assessment

USSTEAM Academy

Teacher, Sept. 2017 - June 2017
- Teacher in supplementary education program
- Created and taught Java programming courses

Town of Westwood

Summer IT Intern, June-Aug. 2014-2016
- Automated Windows system configuration (Powershell, Batch)
- Refactored databases (SQL, Access)

Personal Projects

Free60

- Research and reverse engineer Xbox 360 (C, C++, PPC)
- Revive and maintain long-term community efforts

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

- Hosts portfolio and blog with static HTML / CSS

Education

Northeastern University

Graduate Class of 2022

- B.S. Computer Science and Cyber Operations Concentrations

Westwood High School

Graduate Class of 2017

- GPA 4.2/4.5
- National AP Scholar

Activities

Air Force ROTC

Cadet Fourth Class

- Leadership training path to commission as Air Force officer

Westwood FIRST Robotics Team

Lead Programmer

- Innovated robot control with PID-assisted drive and vision-backed targeting (Java)
- Led outreach to expose younger students to STEM programs

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, C++, x86, PPC, Bash, Batch, HTML, CSS, SQL

Technologies

- Linux, QEMU/KVM, Libvirt, Windows, pfSense

Qualifications

- CompTIA A+, CompTIA Security+