

Andrew Cabey

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Education

Westwood High School, Westwood, MA

Graduate of Class 2017

- GPA 4.2/4.5
 - Intro to Computer Science, AP Physics, AP Computer Science (self-study), AP BC Calculus, AP Statistics
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Experience

Town of Westwood

IT Intern, June-Aug. 2014-2016

- Summer internship where I was tasked with configuring a majority of the town's new computer systems and networking devices
- Automated Windows system configuration with scripting (Powershell, Batch)
- Refactored and maintained databases (MSSQL, SQL, Access)

USSTEAM Academy

Teacher, Sept. 2017 - Present

- Java teacher for supplementary education program
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Activities

Westwood FIRST Robotics Team

[Lead Programmer](#)

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

Westwood Hack Club

Leader/ Co-founder

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

Personal Homelab

[Homelab Overview](#)

- 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, best-practice security technologies and several open-source services

Super Simple Bootloader

[simple-bootloader](#)

- Simple two-stage bootloader that implements the FAT12 file system
- Written in C and x86 assembly

Portfolio Website / Blog

[acabey.xyz](#)

- Bootstrap-based static website utilizing HTML, CSS and Javascript
 - Hosts portfolio of projects as well as personal tech-blog
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Skills/ Qualifications

Programming / Scripting

- Advanced in Java, and C
- Experienced in Python, C++ and x86 ASM
- Novice in HTML, CSS, Javascript

Systems Administration

- Personal experience with samba, NFS, ZFS, LDAP, SQL, Apache2

Virtualization

- Personal experience with QEMU, KVM and Proxmox

Networking

- Personal experience with Avaya, pfSense, UFW

CompTIA A+

CompTIA Security+