

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

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)
- 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 all implemented in Java programming
- 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, and 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*](http://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: Java, C, Python, C++, x86 ASM, HTML, CSS, Javascript, SQL

Technologies: samba, NFS, ZFS, LDAP, apache2, QEMU/KVM, Proxmox, Avaya, pfSense, UFW

Qualifications: *CompTIA A+, CompTIA Security+*