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

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

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)

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

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+*