Thomas Hayden

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Local: 1155 Tremont Street #8320, Boston, MA
Home: 34 Assabet Hill Circle, Northborough, MA

Education

Northeastern University — Boston, MA
College of Computer and Information Science — *Sep. 2017 – Present*
Candidate for a Bachelor of Science in Computer Science; GPA: 3.7/4.0
Candidate for a Minor in Mechanical Engineering; Mathematics — Exp. Graduation May 2022
Activities: Northeastern AIAA, Competitive Programming

Algonquin Regional High School — Northborough, MA
Activities: FRC 1100 Software Captain, Programming Club President — *Sep. 2013 – Jun. 2017*

Computer Knowledge

Languages: Java, Python, C#, C++, Racket, (La)TeX, C, HTML

Systems: Windows 7, Linux (Ubuntu, Arch), Windows 10, MacOS

Certifications: CompTIA A+, Apple Certified Mac Technician (ACMT), Dell Client Foundations

Experience

ResNet Resource Center — Boston, MA
Computing Consultant — *Jul. 2017 - Present*

- Collaborate in a full service technical support center which serves all 13,000+ undergraduate and 7,000+ graduate students, while receiving 90%+ positive response in customer surveys.
- Conduct program installations, malware remediation, operating system re-installations, and application troubleshooting to provide students with software support.
- Perform Apple/Dell warranty and non-warranty hardware repair on student laptops and desktops.
- Transfer, backup, and recover data using tools such as rsync, ddrescue, photorec, testdisk, GetDataBack, and Data Rescue 3 for Windows, Mac and Linux drives.
- Verify functionality of every wifi router, ethernet and cable port in every dorm on campus by performing over 10,000 port checks each summer.

Projects

PortCheck 2 — *Jun. 2018 - Sep. 2018*
Android App and Database Backend Development

- Created an updated front and back end of ResNet's PortCheck Android app using Java.
- Integrated Spring and REST to greatly improve code maintenance in the future.
- Added automation features which improved the speed of each port check by 10%.

KSP F9 Flight GNC — *Apr. 2018 - Present*
Virtual GNC Software Development

- Develop a series of programs for Kerbal Space Program to autonomously simulate Falcon 9 missions.
- Deploy real world control techniques such as PID loops for mission accuracy.