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Objective

Undergraduate Computer Engineering major seeking co-op for Summer and Fall 2018.

Education

2015–2020 **Computer Engineering**, *Rochester Institute of Technology*, Rochester, NY, 3.68 GPA.

Work Experience

- Summer 2017 **Handicraft Area Director**, *Treasure Valley Scout Reservation*, Rutland, MA.
- o Responsible for overseeing Handicraft and STEM program for a Boy Scout residential camp and a Cub Scout day camp.
 - o Oversaw the creation of a permanent camp computer lab.
 - o Taught essential Python, C, and Bash programming skills to Boy Scouts.

Projects

- Fall 2017 **AFI - A Forth Interpreter**, 🐙 github.com/wastevensv/afi.
- o Currently writing a Forth interpreter for ARM devices entirely in ARM assembly language.
 - o Designed to be easily ported to new hardware.
 - o Created using the GNU Assembler and tested with the QEMU emulator.
- Summer 2017 **w832 Demonstration Emulator and Assembler**, 🐙 github.com/wastevensv/w832.
- o Created an educational 8-bit architecture based on the Manchester Small Scale Experiment Machine.
 - o Wrote a reference emulator in C with text user interface.
 - o Wrote an assembler in C for simplified creation of w832 programs.
- Fall 2016 **Holographic Projection System**, 🌐 www.wasv.me/projects/holo/.
- o Made a holographic game in which two players must cooperate to hit floating cubes.
 - o Created program to visualize 3D surfaces on a reflective prism.
 - o Created software in C++ using OpenGL framework in order to render a simulated holographic object.
 - o Demonstrated at the 2016 Rochester Mini Maker Faire.

Clubs and Leadership Experience

- 2015-Present **Computer Science House**, Rochester, NY.
Member of a student run technical organization with an emphasis on project based learning. Have produced multiple personal projects independently and in collaboration with other members.
- 2015-Present **RIT Launch Initiative**, *Responsible Engineer for Flight Software*, Rochester, NY.
Member of a team of students working toward launching a high power rocket to an altitude of 10,000 feet. Responsible for developing communication system for collecting and distributing telemetry data across a network.
- 2009-2017 **Boy Scouts of America**, Millbury, MA.
Star Scout of Troop 110. Held positions such as Webmaster, Scribe, and Patrol Leader. Participated in multiple community service projects. Have remained active in the council as a staff member at Treasure Valley Scout Reservation.

Skills

- Python Built multiple applications using Python. Experience with Flask and Django web frameworks.
- CCENT Certified for entry-level Cisco networking, routing, and switching.
- Git Regularly work with Git for personal and group projects.
- Embedded Software Learning C, C++, and ARM assembly for embedded applications.