William A Stevens V
Resumé

🌐 www.wasv.me in linkedin.com/in/wastevensv ⓞ github.com/wastevensv ✉ contact@wastevensv.com

Objective

Undergraduate Computer Engineering major seeking co-op for Summer and Fall 2019.

Education

2015–2020 **Computer Engineering**, *Rochester Institute of Technology*, Rochester. NY, *3.5 GPA*.

Work Experience

May – Dec. 2018 **Systems Engineering/Applications Intern**, *Allegro MicroSystems, LLC*, Manchester, NH.
Designed and implemented a reusable and expandable system for automatically testing and configuring devices, resulting in a significant reduction in time necessary to evaluate a new product.

Summer 2017 **Handicraft Area Director**, *Treasure Valley Scout Reservation*, Rutland, MA.
Responsible for Handicraft and STEM program for a Boy Scout and Cub Scout summer camp. Taught essential Python, C, and Bash programming skills to Boy Scouts.

Projects

Spring 2018 **AFI** - **A Forth Interpreter**, ⓞ *github.com/wastevensv/afi2c*.
- Wrote a stack based interpreted language in C.
- Designed to be easily ported to new hardware.
- Created unit testing framework for verifying correct functionality.

Summer 2017 **w832 Demonstration Emulator and Assembler**, ⓞ *github.com/wastevensv/w832*.
- Created an educational 8-bit architecture based on the Manchester Small Scale Experiment Machine.
- Wrote a reference emulator in C with text user interface.
- Wrote an assembler in C for simplified creation of w832 programs.

Fall 2016 **Holographic Projection System**, 🌐 *www.wasv.me/projects/holo/*.
- Made a holographic game in which players must cooperate to hit floating cubes.
- Created application in C++ using OpenGL in order to render a 3D object on a reflective prism.
- 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. Remained active in the council as a staff member at Treasure Valley Scout Reservation.

Skills

Embedded Software Learning C, C++, and ARM assembly for embedded applications.

Python Built multiple applications using Python. Experience with Flask web framework.

MATLAB Have used MATLAB in the workplace to produce applications for controlling hardware.

Git Regularly work with Git for personal and group projects.