

## Education

**B.S. Computer Science, Mathematics Minor**

May 2017

University of Portland, Portland, Oregon

**Coursework:** Computer Networks, Artificial Intelligence, Computer Graphics, Analysis of Algorithms, Linear Algebra

## Technical Skills

**Languages:** Java, C, C++, C#, Python, Django, HTML, CSS, JavaScript, OpenGL

**Tools:** Git, Bash, Unix, Emacs, Visual Studio, Unity, Blender, Bootstrap

## Projects and Accomplishments

**UP Ride Finder:** Web-based system for coordinating long distance ride sharing.

- Presented in-progress and final product to a large group of peers, professors, and community members over the course of development.
- Built using Python and Django for back-end, and HTML, CSS, and JavaScript for front-end.
- Pulls from Google Places API to resolve ZIP codes into city names and maps.
- Version control done through GitLab.

**ready-bot:** A WoW style ready-check bot for Discord servers.

- Built using JavaScript and the Discord JS framework.
- Deployed on Heroku with automatic builds from GitHub.
- CI testing through Travis CI.

**Traceroute:** Standalone implementation of the common traceroute utility.

- Built using Python3 for use on Unix-based systems.

**Miscellaneous:**

- Eagle Scout, earned June 2013.
- Proficient in 8 instruments and 3 spoken languages.
- Able to solve a Rubix cube, best solve time 57 seconds.

## Experience

**Software Engineer**

Nov. 2017 - Present

EVRAZ North America, Portland, OR

- Upgrade and maintain production support tools for use by internal departments and external customers.
- Build systems to increase rolling and heat-treat mill production rates.

**Industrial Math Intern**

Jan. 2016 - May 2016

PIC Math, Portland, OR

- Analyze hydroelectric optimization models used in the Pacific Northwest.
- Create more accurate optimization models using linear programming in Xpress-Mosel.