# Lucas Burns

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## Education

**B.S. Computer Science, Mathematics Minor**                    May 2017
University of Portland, Portland, Oregon

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

## Technical Skills

**Languages/Tools:** Java, C, SQL, JavaScript, Angular, Python, Django, C#, OpenGL

**Tools:** Unix, Shell, Git, 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 ready-check bot for Discord servers.

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

**Rolling Plan Interface:** Simultaneous multi-user mill scheduling tool.

- Built using ag-Grid on AngularJS querying a Spring/Informix back end.
- Allows multiple users to view live data but only one user to modify at a time.
- Dynamically generates time/duration segments for mill inactivity timing.

**Miscellaneous:**

- Eagle Scout, BSA.
- Proficient in 8 instruments and 3 spoken languages.
- Able to solve a 3x3 puzzle cube, best solve time 57 seconds.

## Experience

**Full Stack Software Engineer**                    Nov. 2017 - Present
EVRAZ North America, Portland, OR

- Design and improve various web, desktop, and server-side applications.
- Maintain legacy mill production tools for internal and external users.
- Collaborate with developers and customers to determine task specifications.

**Industrial Math Intern**                    Jan. 2016 - May 2016
PIC Math, Portland, OR

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