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/Frameworks: Java, C, SQL, JavaScript, Angular, Python, Django, C#, OpenGL

Tools: Unix, Shell, Git, Jenkins, Maven, Unity, Blender

Projects and Accomplishments

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

- Built using Django and jQuery.
- Presented in-progress and final product to a large group of peers, professors, and community members over the course of development.
- 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.