

Software Engineer

Skills

- **Languages:** JavaScript, CSS, HTML, Python, SQL
 - **Libraries / Frameworks:**
 - CSS - Sass, PostCSS
 - JavaScript - React, three.js, d3.js, jQuery, Mocha, Chai, Backbone
 - Python - Werkzeug, SQLAlchemy, Genshi, Flatland
 - **Tools:** Git, Vim, webpack, Grunt, Google Analytics
 - **Databases:** PostgreSQL, SQLite, Redis
 - **Process:** Agile development (Scrum, Kanban), JIRA, Trello, Optimizely
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Experience

Idealist: *Software Engineer*

2012-present

- Maintained and improved legacy codebase comprised of Werkzeug, SQLAlchemy, Genshi, and other Python libraries.
- Worked with QA to update the staging and production websites, often involving SQL migrations and time-sensitive features.
- Developed a Backbone and Sass based application for users to connect with each other and share their intentions for action.
- Organized and facilitated team process as Scrum Master for a strictly revenue stream focused team of engineers.
- Screened and interviewed potential engineers for Idealist, in the process helping improve the interview process as a whole.
- Programmed in a variety of engineering configurations, including pair and mob programming.
- Led a team of three engineers and one designer focused on communications and engagement:
 - Reviewed Git pull requests and guided technical decisions based on scheduling, maintainability, and technical debt.
 - Responded quickly to multiple projects at various stages of development by working with Product Owners on estimates and timelines.
 - Improved team process and communication with retrospectives and daily stand ups.
 - Experimented on and analyzed new features through Optimizely A/B testing and Google Analytics to inform next steps.
 - Rewrote high traffic existing pages such as the homepage in React and PostCSS to meet new mobile-first designs.
 - Documented successes and challenges the team encountered for broadcast with entire engineering team.

Portland State University: *Capstone Lead*

2011-2012

- Built a d3.js application to visualize a graph of relationships between Twitter mentions and retweets.
- Managed a team of five other students through regular meetings and ticket tracking.
- Implemented core pieces of user interface for navigating and displaying graph.
- Analyzed performance and memory risks during development.
- Facilitated frequent communication between teammates, professor, and client.

Google Summer of Code: *Buildbot User Objects*

2011

- Added User Object tables to Buildbot's database via SQLAlchemy.
- Implemented a command-line tool to add and modify user attributes.
- Added support for User creation on changes from different VCS (Git, SVN, etc.).
- Translated User Object information into email addresses for mail notifications.

Portland State University: *Resident Assistant*

2008-2012

- Enforced housing policies in residence halls by reporting incidents and posting information.
- Executed social and educational events involving campus resources.
- Mediated interpersonal conflicts between residents and fellow staff.
- Worked both in freshmen specific halls and upperclass or non-traditional communities.
- For two years, supervised a staff of up to six resident assistants:
 - Kept budget for each staff's program resources per term.
 - Held regular meetings with all staff and one on one with direct reports.
 - Continued own resident assistant duties during lead position.

Education

Portland State University: *BS, Computer Science*

2007-2012