

# Alex Buechele

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## SKILLS

**Languages:** C/C++, Python, JavaScript, Java, SQL, HTML5, CSS3

**Tools and Frameworks:** Node, Express, Flask, Django, Bootstrap, jQuery, AJAX, PostgreSQL, MongoDB, NGINX, AWS EC2, Git, Command Line

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## PROJECTS

### Personal site (javascript)

- Deployed on AWS
- Utilizes NGINX, node, express, postgresSQL

### Google maps/news mashup (javascript)

- Loads relevant news articles for user-entered locations in a google maps display
- Built with Flask, jQuery, utilized a SQLite database and google maps API

### Stock trading simulator (python)

- Allowed users to query current stock prices, “buy” and “sell” stocks and view transaction history
- Powered by Flask, Bootstrap, utilized a SQLite database

### Mentor-mentee pairing app (python), work in progress

- Being developed as an open-source, team effort by the Puget Sound Python meetup group
  - Serves as a tool to pair mentors and mentees with matching goals and experience
  - Django, pipenv, pytest
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## WORK EXPERIENCE

### Freelance Web Developer

*Self* Bellevue, WA  
**Sept 2017 - Present**

- Created and maintained web pages for small businesses

### Lab Technician

*PMO Care* Bellevue, WA  
**July 2016 - Aug 2017**

- Performed quantitative testing on patient samples for drugs of abuse in an addiction clinic
- Responsible for quality control testing, instrument calibration and lab documentation

### Graduate Researcher, Organic Chemistry

*University of Houston, Gilbertson Group* Houston, TX  
**Aug 2012 - July 2014**

- Conducted research in the field of organometallic catalysis and organic synthesis
  - Taught general chemistry laboratory to undergraduate students
  - Managed chemical and supply inventories for the research group
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## EDUCATION

### University of Houston

Bachelor of Science, *Summa Cum Laude* GPA 3.62

Major: Chemistry, Minor: Math