

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

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

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

EDUCATION

University of Houston

Bachelor of Science, *Summa Cum Laude*
Major: Chemistry

GPA 3.62