

Spencer Mitchell

Currently a CS student at Oregon State University and Jr. Developer at SED Quaere. My main language proficiency is Python, followed by JavaScript, Common Lisp, Go, and C/C++.

Employment History

SED Quaere

Jr. Software Developer

July 2016 - Present

- Make full stack web applications using PHP, Flask(python), and Caveman2(Common Lisp), that focus on interactions with the file system, storing client data, inventory management, and bookkeeping.
- Experience configuring multiple web servers including Apache and NGINX.
- Created software using Go for executing system commands on remote servers.
- Write scripts on an as needed basis.

Dartmouth-Hitchcock

Lab Technician

September 2015 - June 2016

- Processed hospital samples for appropriate tests.
- Provided support for doctors and nurses regarding proper sample handling and collection.

City of Pomona

Community Services Specialist II, Teaching Aide, and Tutor

February 2014 - June 2015

- Supervised four after school recreation sites.
- Created programming that was implemented across all recreation sites in Pomona with a focus on physical activities.
- Tutored foster care youth.
- Assisted teaching a STEM class for the children of migrant farm families.

University of California, San Diego

Research Assistant

July 2012 - June 2013

- Assisted senior scientists with research experiments on nuclear pore proteins and their configuration during mitosis using western blotting, immunoprecipitations, immunofluorescence, and cell culture.

Personal Projects

Cuttle Pool

A connection pooling implementation in Python that accepts any SQL driver.

- [Docs/GitHub \(https://github.com/smitchell556/cuttlepool\)](https://github.com/smitchell556/cuttlepool)

Flask-CuttlePool

A Flask extension for Cuttle Pool.

- [Docs/GitHub \(https://github.com/smitchell556/flask-cuttlepool\)](https://github.com/smitchell556/flask-cuttlepool)

Cuttle [DEPRECATED]

A Python ORM that creates relational databases and manipulates tables. It's goal is to be easy to use and extendable by allowing users to write custom methods on the user defined subclasses that represent the database tables.

- [GitHub \(https://github.com/smitchell556/cuttle\)](https://github.com/smitchell556/cuttle)

Education

Oregon State University

B.S. Computer Science (In Progress)

March 2016 - Present

Class Projects

- [Adapt Tutorial \(https://smitchell556.github.io/CS-290\)](https://smitchell556.github.io/CS-290)

Note

This is not indicative of all the projects done at OSU, but those that are allowed to be made public by the professors.

University of California, San Diego

B.S. Cell Biology (Completed)

September 2010 - March 2013

Contact

Feel free to contact me for any general queries or requests.

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- [LinkedIn \(https://linkedin.com/in/spencerjmitchell\)](https://linkedin.com/in/spencerjmitchell)