

Christopher Choe

Software Engineer

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Experience

Job Odyssey

- Designed a gamified job application organization web app, planned and developed with a partner utilizing a Kanban board.
- Implemented a relational database with a class based object relational mapping done in Python, Flask, SQLAlchemy, and MySQLdb, while also handling authentication through Github OAuth to better handle user security.
- Developed a functional REST API around this database structure for CRUD manipulation along with a cron handled script to send out emails with a weekly summary and excel sheet of jobs applied.
- Integrated web app with Holberton School's student job search program by request, deploying on both jobodyssey.hbtn.io and jobodyssey.com with gunicorn and nginx.

AirBnB Clone

- Iteratively created an AirBnB type search page that imitates the dynamic filtering and database management of a living space rental system with Jinja2, JQuery, and a REST API.
- Used pair programming and test driven development, also working within other people's code, to unit tests storage manipulation in both a JSON text file storage system and ORM database storage system.

Writeme | Productivity App | Spadefish (Hackathon/Hackday Projects)

- Led the Writeme algorithm group in parsing text and translating our created syntax to markdown using Python.
- Worked alone to create a productivity alarm mobile application with Flutter and Dart.
- Learned to work with docker-compose and Travis CI and implemented OAuth user tokens for Spadefish, a web app that visualizes Github API data.

Printf | Shell

- Built a simplified, from scratch printf function and unix shell in C with minimal library usage, using system calls as much as possible.
- Monitored memory usage and garbage collection closely with valgrind to avoid any memory leaks or errors.

Education

Holberton School / Full Stack Software Engineering

2018 - 2019, SAN FRANCISCO, CA

Foothill College / AS Computer Science

2016 - 2018, LOS ALTOS, CA

Santa Clara University / BS Biological Sciences

2009 - 2013, SANTA CLARA, CA