

SKILLS

Languages: Python, JavaScript, SQL, HTML, CSS, SPSS, Stata, R

ML/AI: Weights & Biases, LangChain, GPT

Backend: Flask, SQLAlchemy, Alembic, Express, Sequelize, Node, FastAPI, MySQL, PostgreSQL

Frontend: React, Redux, NextJS, Tailwind

Methodologies: Object-Oriented Design, Test Driven Development, Functional Programming, Agile, SCRUM

EXPERIENCE

Software Engineer, Freelance

Nov 2023 – Present

- Development for companies and projects. MLOps at Subconscious.ai.
- Designed server-side logic for ML/AI research software using FastAPI, LangChain, and GPT.
- Recommended hyperparameter tuning approaches using Weights & Biases.
- Built intuitive UIs using NextJS and Tailwind.

Software Engineering Instructor, Volunteer at Code Tenderloin

Nov 2023 – Present

- Conduct courses on JavaScript, HTML, CSS, and Data Structures & Algorithms.

Evaluation Specialist at Neighborhood Partnerships

Nov 2019 – Mar 2023

- Data engineering for analysis of economic data at 50+ nonprofits statewide using SPSS.
- Managed database and UI changes. Updated website. Reported findings to Oregon Legislature.

Linguistic Tester at Welocalize

Apr 2020 – Apr 2021

- Analyzed linguistic data using stringent standards. Discovered and documented data issues.

Resource Specialist at The Cupcake Girls

Apr 2017 – Nov 2019

- Structured resource database for clarity and reliability. Researched partners for client support.

Research Analyst & Project Manager at Interaction Metrics

Jun 2015 – Dec 2016

- Identified data-driven B2B & B2C customer needs, product issues, and optimizations.
 - Designed surveys and interviews. Updated website.
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PROJECTS

BanKan | A productivity and organization website inspired by Trello and Evernote.

[Live](#) | [GitHub](#)

- Built full-stack functionality using SQLAlchemy for database tables, Flask routes, Redux thunks and store, and React components for boards, columns, cards, notebooks, and notes in under one week. Placed an emphasis on frontend UI.
- Utilized the React Beautiful DnD package for drag-and-drop functionality, ensuring correct state management in Redux for a seamless user experience.

MeetBuds | A networking and activities website cloning Meetup.

[Live](#) | [GitHub](#)

- Built full-stack functionality using Sequelize for database tables, Express routes, Redux thunks and store, and React components. Focused on backend architecture and database design.
- Implemented an extensive relational database with detailed schema models connecting users, groups, group images, memberships, events, event images, attendances, and venues.

VancouverEats | An e-commerce website cloning UberEats.

[Live](#) | [GitHub](#)

- Managed end-to-end feature development using SQLAlchemy for database tables, Flask routes, Redux thunks and store, and React components. Utilized AWS S3 for image file uploads.
 - Collaborated with a team to complete the project in under one week using Agile methods, Figma wireframing, a Kanban board, and clear Git workflows.
 - Designed RESTful API documentation for CRUD on features and functionality.
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EDUCATION

App Academy | Software Development & Computer Science Intensive

Apr 2023 – Oct 2023

Reed College | Sociology, Bachelor of Arts (BA)

Sep 2011 – May 2015

- Analyzed data using Stata and R. Awarded full financial aid.