

# Denise Li

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[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

**Technical Skills** TypeScript, JavaScript, Node.js, React/Redux, Express, Python, Flask, PostgreSQL, MongoDB, CI/CD, TDD

**Soft Skills** Team Leadership, Agile (Jira), Documentation Queen, Mentoring

## Experience

### Boxed, Inc.

#### Software Engineer - Infrastructure Team

July 2022 - Present

- Developed a software development kit (Flux SDK) to manage configuration variables so that SaaS developers can more efficiently curate and deploy their product to clients. Enhanced SDK's CI/CD pipeline to include documentation automation and npm deployment automation. [Flux SDK Documentation](#).
- Improved enterprise CI/CD pipeline: integrated GitHub with Jenkins so that developers are alerted when their build fails and receive possible solutions; designed and implemented GitHub Actions workflow to assist international teams to sync their translation files.
- Standardized documentation processes to use JSDoc, better-docs, and mermaid-js. Modified existing configurations of better-docs and JSDoc to suit business needs. Authored guidance documents on how to use all three libraries in conjunction.
- Support teams across the Boxed.com storefront enterprise and SaaS arms of the company. If there's a vulnerability or an inefficiency, I'm probably working to fix it!

### Indiana University School of Public Health - COVID-19 Contact Tracing Program

#### Program Supervisor - Burmese Community

Nov 2020 - May 2021

- Led and deployed the adoption of MS Teams across the contact tracing program (~175 users).
- Streamlined weekend contact tracing processes across the entire program and saved 3 hours of supervisor-time per weekend day.

### City of Los Angeles, Bureau of Sanitation

#### Water Biologist II - Toxicity Testing Unit

Aug 2014 - Mar 2019

- Managed and executed a study on native fish. Saved \$10,000 on chemical analysis costs by utilizing novel benchtop biochemistry techniques. The study resulted in a technical report submitted to regulatory agencies and two poster presentations at regional scientific meetings.
- Collaborated with other environmental scientists to develop new analysis techniques. Research efforts resulted in a presentation at a national conference.

### Wildlife Researcher in Sub-Saharan Africa - Assistant Researcher

Sep 2012 - Feb 2013

### National Marine Fisheries Service - Fisheries Biologist in Alaska

Jul 2011 - Aug 2012

## Open Source Projects

### Ultimate Accelerator (JavaScript, React/Redux, Node, Python, Flask, WTForms, SQLAlchemy, PostgreSQL)

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

A companion app to Respawn Entertainment's video game, Apex Legends, to help users play the game efficiently.

- Designed backend with RESTful API conventions and optimized SQL queries to calculate optimal combinations of objectives to complete simultaneously so that users can minimize their play time while maximizing their in-game rewards.
- Built a React/Redux frontend environment. Used useEffect, useState, and event handlers to construct controlled inputs so that users can enter their data and track their progress. Designed and used an API library of thunk actions that update and query the React store so that the app updates dynamically.
- Performed analysis on raw data found in Apex Legends (AL) to identify mutually exclusive language used in AL objectives. Used result of data analysis to create regexes and dictionaries so that user input data can be recognized, categorized, and added to the database programmatically.

### Recipepeople (JavaScript, Node.js, Express, Pug, Sequelize, PostgreSQL)

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

A recipe posting website inspired by GoodReads

- Key contribution: Designed modular and reusable backend error handling using built-in and custom Express validators and custom authorization functions. Built the frontend to display the error messages generated in the backend.

## Education

**App Academy** Immersive full-stack software development course (1000+ hours)

Sep 2021- Mar 2022

**University of California, Berkeley** Double Major: Biology, Psychology

Aug 2005 - Aug 2010

## Hobbies

Cooking

Painting

Petting other people's dogs

Video Games

Hiking