

Derek Li

liderek63@gmail.com [Portfolio](#) [LinkedIn](#) [Github](#) San Francisco / Bay Area

Summary

Solutions oriented Software Engineer with a degree in Computer Science and excellent communication skills looking to leverage experience building responsive and scalable web apps to solve problems that delight end-users. Motivated to learn from senior engineers while sharing innovative ideas and contributing to team success.

Skills

Programming Languages: JavaScript, Ruby, Ruby on Rails, Python, C++, C, HTML5, CSS3, Git

Frameworks/Tools: React, Redux, Git, SQL, NoSQL, PostgreSQL, MongoDB, Express.js, Node.js AWS

Education

App Academy

06/2022 - 09/2022

Immersive software development course with focus on full stack web development: Pair programming, Test Driven Development (TDD), Object-Oriented Programming (OOP), Data Structures and Algorithms

University of California, Davis

09/2017 - 09/2021

Bachelor's of Science | *Computer Science*

Projects

App Academy, San Francisco

06/2022 - 09/2022

Viewr (JavaScript, React / Redux, Ruby / Rails, HTML, CSS, PostgreSQL, AWS)

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

Full-stack clone of Flickr.com, an image and video hosting service

- Implemented custom back and front end user authentication by combining Rails conventions, Active Record, and customized React-Router higher order components for more pleasant user experience (UX).
- Connected the Rails back end to AWS S3 for media storage and organization while maintaining content security with AWS IAM, for improved scalability and performance.
- Developed full CRUD features for user posts and comments, and additional features such as favorites and photo tags.
- Created a search feature using the Rails backend to retrieve corresponding posts based on titles, tags, and users' names.

GrowTeacher (JavaScript, React / Redux, MongoDB, Express.js, Node.js)

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

A MERN stack application that targets teachers and allows for them to seek help in getting supplies

- Led the front-end implementation of user authentication using React, posts and comments CRUD, and CSS styling for the website.
- Conducted peer code reviews, debugged major issues, and utilized Github pull requests to minimize merge conflicts and ensure the reliable integration of new features, and also establish a comfortable workflow.
- Applied Mongoose populate method to fetch underlying related data across multiple collections from the database, save this data in the frontend state, and render it for the end user.

NBA Stats Visualizer (JavaScript, Chart.js, HTML5, CSS)

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

Single page application that provides NBA players' stats

- Utilized the BallDontLie API to fetch average NBA player data / statistics per season in 6 major categories: points, assists, rebounds, steals, blocks, and minutes.
- Incorporated the Chart.js library to provide 6 separate, interactive and responsive graphs for each stat.
- Leveraged Webpack and Babel to ensure a reliable uniform user experience (UX) across web browsers.

Volunteer Experience

UC Davis CS Club

Academic Tutor

09/2020 - 03/2021

- Tutored over 50 students in lower division computer science courses: C, C++ syntax, data structures and algorithms, and object-oriented programming.
- Improved student comprehension of fundamental concepts, resulting in higher project completion rate and elevated mid-term exam scores.