# 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.

**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.

**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.

## 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.