

# Brandon Ly

brandonkly@ucla.edu | 626-384-8933 | West Covina, CA  
<https://bit.ly/linkedinbkl> | <https://bit.ly/githubbkl> | <https://bit.ly/portfoliobkl>

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MERN/React-Three Developer with high quality critical-thinking and creative skills. Former work experience in a Fortune 500 company, which led to an appreciable understanding of large-scale business decisions and operation. Highly experienced in leadership and collaboration throughout undergraduate career and coding environments.

## Technical Skills

Frontend: ReactJS, Threejs and React-Three, HTML5, CSS, JQuery, Javascript, Bootstrap, TailwindCSS

Backend: MySQL, MongoDB, Express, Node, Vite, Handlebars, Webpack

## Projects

**Portfolio** | **Repo:** <http://bit.ly/3KE5w9z> | **Deployed:** <https://bit.ly/portfoliobkl> React-Three Dev

- A professional portfolio of my projects and achievements using 3d rendering.
- This portfolio is a brief showcase of some of my front-end capabilities as a software developer.
- Tools/Languages: React, Three, Node, Vite, TailwindCSS

**isGame: True** | **Repo:** <http://bit.ly/3kDOEF9> | **Deployed:** <https://bit.ly/isGameTrue> Full Stack Developer

- A short platformer arcade game where users can compete for high scores.
- This application utilizes Phaser.io and Tiled for game development and is capable of sending user scores to a MySQL database for global display. My responsibilities include project management, game development and direction(sprite animation, physics, enemy logic, scene management, scoring, design music, sfx, etc.), and user/score data.
- Tools/Languages: Javascript, MySQL, Express, Node, Handlebars, CSS, Bootstrap, Phaser.io, Tiled

**Duck Blog** | **Repo:** <http://bit.ly/3kBNjio> | **Deployed:** <https://bit.ly/the-duck-blog> Full Stack Developer

- A satire tech blog for users to post bad tech advice.
- This solo project is a fully functioning tech blog, designed to have a silly, lighthearted theme. It supports user posts and comments, with the ability for users to update and delete posts of their choosing.
- Tools/Languages: Javascript, MySQL, Express, Node, Handlebars, TailwindCSS

**Social Network API** | **Repo:** <http://bit.ly/3y0dAty> | **YT Demo:** <http://bit.ly/3Zsfl4V> Backend Developer

- A simple web app where users can search socioeconomic data for different cities.
- This project is a successful demonstration of using a third-party API to receive data and the ability to aggregate this data for users to see. My responsibilities include managing API calls, search bar functionality, and data aggregation.
- Tools/Languages: HTML, CSS, Javascript, Bootstrap, JQuery, Python, Google Fonts, Teleport API

## Work Experience

**PPG** Feb. 2022 - Sept. 2022  
Research and Development Chemist Burbank/CA

- *Compiled data on material properties from industry professionals, independent research, and direct lab testing, which helped advance the development of several different chemical technologies.*
- *Rapidly attained proficiency in several different skills and techniques by showing attentiveness and deductive skills during training, gaining a reputation for versatility and strong learning capabilities.*
- *Successfully trained teammates on specialty tasks by using tried-and-tested leadership techniques, achieving comradery and respect in a collaborative environment.*

## **Education**

*University of California, Irvine*

*March 2023*

*Certificate in Full Stack Web Development*

*University of California, Los Angeles*

*Dec 2020*

*Bachelor of Science, Biochemistry*