

Brandon Ly

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LinkedIn

| Github

| Portfolio

<https://bit.ly/linkedinbkl> | <https://bit.ly/githubbkl> | <https://bit.ly/portfoliobkl>

MERN/React-Three Developer with high quality critical-thinking and creative skills. Former work experience as a scientist at a Fortune 500 company, which led to an appreciable understanding of technological development following client specifications from a large-scale business perspective. Highly experienced in leadership and collaboration throughout undergraduate career and computer programming environments.

Technical Skills

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

Backend: *SQL, MongoDB, Express, Node, Vite, GraphQL, Apollo, 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. It was coded using React and Threejs with the intention of creating a novel and fun viewing experience.*
- *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 SQL 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/Sequelize, 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/Sequelize, Express, Node, Handlebars, TailwindCSS*

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

- *A backend web api for a social network application, able to relate users with thoughts and reactions, as well as friend other users.*
- *This project is a successful implementation of MongoDB to make CRUD requests. It is able to update users with corresponding data and cascade updates or deletes.*
- *Tools/Languages: Javascript, Node, Express, MongoDB/Mongoose*

Work Experience

Confidential Fortune 500

Feb. 2022 - Sept. 2022

Research and Development Chemist

Burbank/CA

- *Helped advance the development of several different chemical technologies by discussion with industry professionals and research, resulting in the creation of successful prototype products that met client specifications.*
- *Rapidly attained proficiency in several different skills and techniques through attentiveness and strong deductive skills.*
- *Successfully integrated into a collaborative team environment by maintaining reliable communication and work ethic.*

Education

University of California, Irvine

March 2023

Certificate in Full Stack Web Development

University of California, Los Angeles

Dec 2020

Bachelor of Science, Biochemistry