Brandon Ly

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LinkedIn | Github | Portfolio
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 as a scientist at a Fortune 500 company, which led to an appreciable understanding of technological development from a large-scale business perspective. Highly experienced in leadership and collaboration throughout undergraduate career and coding 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*
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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

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