Brandon Ly

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

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Full Stack 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, Javascript, Typescript, Vite,* ReactJS, Threejs, *Bootstrap, TailwindCSS, Phaser,* Jotai, *Handlebars, JQuery,*
Backend: *SQL, MongoDB, Express, Node, REST Api, GraphQL, Apollo, Webpack*
Other: *Git, Agile Development, Test-driven development, Object Oriented Programming, Heroku, Netlify, AWS (in progress)*
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Projects

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

- *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

Anaxi | **Repo:** *https://github.com/brandonkylely/Anaxi-Mapper* | *MERN Stack Developer*

- *A social media application designed around a 3d map for users to run proximity searches and route calculations for local businesses.*
- *This mapper integrates Threejs models and animations into a WebGL Map Overlay. It demonstrates full functionality as a full stack application by providing routes for users to interact with their favorites results, posts, and other users. My responsibilities in this project include state management, API, fetch requests, database routes, Threejs animation, and typescript management.*
- Tools/Languages: Typescript, React, Three, Node, Vite, Express, MongoDB, Jotai, TailwindCSS, Google Maps API

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*
- *Advanced 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   *Sept 2022-Mar 2023*
Certificate in Full Stack Web Development

University of California, Los Angeles   *Aug 2016-Dec 2020*
Bachelor of Science, Biochemistry