

Brandon Wong

 [Portfolio Website](#)

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EDUCATION

Computer Science, B.S.

Davis, CA | Expected Jun 2024

Minor in Technology Management

University of California, Davis | GPA: 3.86

High School - Valedictorian

San Jose, CA | Jun 2021

Evergreen Valley High School | GPA: 4.41

Relevant Coursework

Data Structures and Algorithms, Programming in C++, C, Java, and Assembly, Probability and Statistical Modeling for Computer Science, Combinatorics, Discrete Math, Calculus, Statistics, Linear Algebra

EXPERIENCE

Software Engineer @ #include

Davis, CA | Sept 2021 - Jun 2022

- Built and styled a dynamic and responsive art gallery website using Next.js.
 - Used server-side rendering for SEO and improved page loading.
 - Collaborated with back-end developers on the art piece API.
 - Managed several engineers' changes to the codebase using Github.
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PROJECTS

Shopp'r - SwiftUI, Node.js, Express.js, Realm, and MongoDB

- Developed an iOS shopping list app using SwiftUI to for users to track their purchases as they shop.
- Used a text recognition ML model to scan price tags and implemented location tracking.
- Crowdsourced and stored item prices in a MongoDB Atlas instance.
- Made purchase information available through a REST API using Node.js and Express.js.

Music Map - React.js, Express.js, Knex.js, Apollo GraphQL, PostgreSQL, and MaterialUI

- Leveraged the Spotify API to find people in the same area with similar music interests.
- Stored user information in a relational database, utilizing PostgreSQL and Apollo GraphQL.
- Built and styled the webpage using MaterialUI elements.
- Paved the way to add a world map and location tracking with the Google Maps API in the future.

Carpool App (in progress) - SwiftUI, Node.js, Express.js, Pusher, Realm, and MongoDB

- Developed an iOS carpooling app using SwiftUI in which users can find people to carpool with.
 - Matched drivers to riders with a REST API created using Node.js and Express.js.
 - Provided alerts through Pusher's publish and subscribe framework.
 - Stored user data on a MongoDB Atlas instance and applied RealmSwift to access data.
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SKILLS

Tools: Git, Node.js, MongoDB, Apollo GraphQL, PostgreSQL

Languages: Swift, Javascript, C++, C, Java, Python, HTML, CSS

Libraries/Frameworks: SwiftUI, Express.js, React.js, Next.js, Realm, MaterialUI, Knex.js