Brandon Wong

Portfolio Website | brandonw504@outlook.com | brandonw504 | brandonw504

EDUCATION

Computer Science, B.S. - Dean's List — Davis, CA | Expected Jun 2024

Minor in Technology Management
University of California, Davis | GPA: 3.85

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 at **#include** — Davis, CA | Sept 2021 - Jun 2022

- Built and styled a dynamic art gallery website using Next.js
- Learned industry web development practices in React.js and Next.js
- Managed several engineers' changes to the codebase using Github

PROJECTS

Shoppr - 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.
- Users can scan price tags with the camera using text recognition and locate stores they shop at.
- Item prices are crowdsourced and stored in a MongoDB instance.
- Created a REST API using Node.js and Express.js that allows stores to get information on which items users are buying at which stores.

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

- A website leveraging the Spotify API to find people in the same area with similar music interests.
- Currently, users can pick an area and see what songs people are listening to live.
- In the future, we plan to display a world map where users can drop a marker anywhere and see what people are listening to there.

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.
- Users indicate that they are available to carpool and drivers will be routed to pickups.
- Matching drivers to riders is done on a backend server made accessible through a REST API created using Node.js and Express.js.
- Users are alerted through Pusher's publish and subscribe framework, and user data is stored on a MongoDB instance.

SKILLS

Tools: Git, Node.js, MongoDB, Apollo GraphQL, PostgreSQL
Languages: Swift, Javascript, C++, Java, Python, HTML, CSS
Libraries/Frameworks: SwiftUI, Express.js, React.js, Next.js, Realm, MaterialUI, Knex.js