

# Brandon Wong

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🌐 [Portfolio Website](#)

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## EDUCATION

### Computer Science, B.S. - Dean's List

Davis, CA | Sept 2021 - Jun 2024

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

### High School - Valedictorian

San Jose, CA | Aug 2017 - 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 1-3, Statistics, Linear Algebra

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## EXPERIENCE

### Software Engineer

Davis, CA | Sept 2021 - Jun 2022

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

### Shopping Total - SwiftUI, Node.js, Express.js, Realm, and MongoDB

- Developed a mobile shopping list app using SwiftUI to keep track of users' 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 NoSQL database.
- Created a REST API using Node.js and Express that allows stores to get information on which items users are buying at which stores.

### Carpool App - SwiftUI, Node.js, Express.js, Pusher, Realm, and MongoDB

- Developed a mobile 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.
- Users are alerted through Pusher's publish and subscribe framework, and user data is stored on a MongoDB NoSQL database.

### Field Event Tracker - SwiftUI

- Developed an iOS app to collect marks for field events in track and field.
  - Created an intuitive user interface with SwiftUI.
  - Greatly improved efficiency in recording and ranking athletes' marks at track meets by switching from paper to a digital medium.
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## SKILLS

**Tools:** Git, Node.js, MongoDB

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

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