ETHAN CHEN

Phone: (818) 251-6099
ethan.chen333@gmail.com
www.linkedin.com/in/ethan-chen-88649b229
West Hills, CA 91308

EDUCATION

University of California San Diego — 2020 – April,2024
B.S. Mathematics-Computer Science
GPA: 3.418

SKILLS

Languages: Java, C++, JavaScript, HTML&CSS, SQL, Python, Go
Source Control: Git
Other: MySQL, PostgreSQL, Node.js, React.js, Vue.js, Docker, SASS, AWS

WORK EXPERIENCE

Full Stack Software Engineering Intern — Jan, 2023 – Present
NeuroLeap Corp

- Tech Stack: Vue.js, Golang, PostgreSQL, Docker, Google Cloud
- Developed and maintained a scalable cloud service enabling medical specialists to create custom applications for testing special needs individuals.
- Implemented advanced report generation features via D3.js to compare test results, incorporating statistical analysis and data visualization tools/libraries for comprehensive insights.
- Created and managed Docker Compose files to orchestrate multi-container environments, facilitating seamless integration of backend services, database, and frontend applications.
- Configured Nginx as a reverse proxy to distribute incoming client requests to multiple backend services, enhancing load balancing and scalability.
- Designed RESTful APIs to handle Create, Read, Update, and Delete (CRUD) operations, ensuring robust and scalable interactions with the database.
- Handled email automation to improve customer experience and interactivity

PROJECTS

Family Feud Web Socket
https://github.com/etc3333/familyfeud-websocket-version

- Tech Stack: React.js, Express.js
- Developed a real-time Family Feud game that leverages WebSocket connections to facilitate communication between two devices.
- The game includes a dynamic game board and a host controller, both connecting to a central server on the host machine to facilitate a real-time and in person experience of the game.

Group Photos Sharing Network
https://github.com/etc3333/collection

- Tech Stack: React.js, Firebase
- Developed a group photo sharing application designed for sharing photos within specific groups. Users can sign in, create groups, and save photos in organized folders for easy access and management.
- Implemented user authentication allowing users to securely create and manage their accounts and store a variety of data.
- Utilized Firebase to provide real-time updates and synchronization across different devices and users.

Movement Memory Game
https://github.com/etc3333/movement-memory-game

- Tech Stack: React.js
- Developed a memory game that challenges users to test their memory with moving components. The game features multiple levels, lives tracking, an easy-to-use interface, and score saving functionality.