

# Ethan Chen

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## WORK EXPERIENCE

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### NEUROLEAP CORP

San Jose, CA

#### Full Stack Software Engineer

2024-Present

Lead developer for a Cloud Service domain, responsible for designing the infrastructure of a **SaaS platform**. Designed and built a system that allows users to host, manage, and analyze medical applications. Developed an intuitive dashboard delivering in-depth performance insights and analytics for each application.

- Deployed & led the development of a **Cloud Service** enabling medical specialists to design and host custom applications for screening and intervention of individuals with neurological and educational care needs.
- Engineered **data analytics** driven interactive dashboard and report generation feature, utilizing D3.js for dynamic **data visualizations** and integrating statistical analysis tools to help users visualize test results, identify trends, and derive actionable insights
- Delivered cloud service deployment via **Docker** Compose files to orchestrate multi-container environments, facilitating seamless integration of backend services, database, and frontend applications.
- Implemented **CI/CD pipelines** to automate and streamline **database migrations**, ensuring seamless deployment and schema updates.
- Configured **Nginx** as a reverse proxy to distribute incoming client requests to multiple backend services, enhancing scalability, debugging ease, and security.
- Devised **RESTful APIs** to handle CRUD operations, ensuring robust and scalable interactions with the database.
- Streamlined email automation to improve customer experience and interactivity.
- Oversaw/Directed implementation of **JWT role-based authentication** for the middleware.

### NEUROLEAP CORP

San Jose, CA

#### Frontend Software Engineer

2023-2024

Part of the main site development team of a startup. Collaborated in redesign of site to transition to new product strategies. Later reassigned to lead development of a new feature due to knowledge of backend infrastructure.

- Implemented **UI/UX** wireframes to main company website.
- Collaborated with developer to integrate translation feature to the site for convenience to out of country users.
- Revamped website by optimizing color schemes, typography and spacing to reduce visual strain and increase session duration of new and current users.

## EDUCATION

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### UNIVERSITY OF CALIFORNIA – SAN DIEGO

La Jolla, CA

*Bachelor of Science, Major in Mathematics – Computer Science*

2020-2024

- GPA: 3.431

## SKILLS

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- **Languages:** Java, Javascript, SQL, Python, Go, C#, C++, C
- **Frameworks:** Node.js, React.js, Vue.js, Angular.js
- **Cloud Platform:** AWS, Google Cloud, Microsoft Azure
- **Other:** Docker, Kubernetes, Jenkins, HTML & CSS, SASS

## PROJECTS

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<https://etc3333.github.io/Portfolio/>