

# William Kim

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Los Angeles, CA

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## Certifications

- Free Code Camp [Responsive Web Design Certificate](#) - Sept 2021
- Google Cloud Platform [Professional Machine Learning Certificate](#) - May 2025
- Currently learning AWS and CompTIA Security+

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## Soft Skills

Clear communication, Teamwork, Adaptability, Fast learner

## Languages

React.js, Next.js, Svelte, TypeScript, Kotlin, Swift, MySQL, PostgreSQL, Golang, Python, Bash

## Application Tools

Android Studio, Gradle, XCode, Visual Studio Code, Git, Github, Figma, Firebase, Docker

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## Experience

### Software Developer

Jun 2023 - Present

San Diego Supercomputer Center

- Implementing full-stack solutions for the [NeuroRes](#) mobile application used by UCSD Neurology residents.
  - Developed API endpoints and web sockets in **Golang** for real-time messaging between users.
  - Optimized **MySQL** queries and indexes to improve pagination performance and latency in fetch requests for journal posts.
  - Created a Bash script, which was used to perform user profile updates in our production database in order to accommodate the department's new roster of residents.
  - Used **SwiftUI** & **Jetpack Compose** to improve user interfaces for messaging and journal exploration on mobile devices.
  - Presented live demo of our application to clients and stakeholders for product feedback.
- Performed database migrations for the [Alzheimer's Disease Research Center](#) web application.
  - Worked with dev leads to execute migrations from Microsoft AccessDB to a PostgreSQL database, using a PgAdmin dashboard to validate consistency during data transfers.
  - Developed table schemas and API endpoints to retrieve clinical patient data served on a web application.

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## Projects

[Portfolio Link](#)

### ACM Artificial Intelligence Website

- Redesigned the club's website using React.js ([ai.acmucsd.com](http://ai.acmucsd.com)) reaching 1000+ members
- Designed a new AI competition portal, enabling users to create teams, view leaderboard rankings, and upload bot submissions. This was recently used for the club's [StarChess](#) tournament with 30 teams and 100+ participants.

### TabgMaps - Japan Restaurant Search Website

- Worked with two other developers to create a small **Svelte** website that allows users to find nearby restaurants in Japan.
- Designed the interface with SvelteKit, Google Places Autocomplete, and Tailwind CSS to facilitate geospatial searching.
- Built a server endpoint to query restaurants from a **Mongo** database based on the user's specified location, prefecture, cuisine, price range, and review ratings.

### Solo Running IOS Mobile App

- Launched a **SwiftUI** application on the [IOS App Store](#) that helps users keep track of their daily run statistics.
- Integrated a MapKit interface with native GPS tracking, enabling users to view their location in real time.
- Implemented SwiftUI Charts to generate detailed historical analytics for logged time and steps.

### Video Game Development Club at UCSD Website

- Led the development team that launched a new SSR website ([vgdc.dev](http://vgdc.dev)) using **Next.js** and **Tailwind CSS**.
- Incorporated a **React Markdown** blog system to deliver club-related insights and stories to members.
- Worked with devs to add Framer animations to enhance frontend components.

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## Education

[University of California, San Diego](#)

Sep 2020 - Jun 2024

B.S. Machine Learning and Neural Computation

Minor in Computer Science