William Kim

Hands on academic and internship experience with software tools and methodologies within deadline-driven environments. Committed to learning new technologies and ideas to implement solutions for users.

Education

2020 - Jun 2024 | 3.68 GPA

University of California, San Diego
B.S. Cognitive Science: Machine Learning and Neural Computation
Computer Science Minor but still completed computer science major curriculum

Skills

JavaScript, HTML/CSS, React.js, Next.js, Python, Numpy, C++, Kotlin/Android Studio, Figma, Adobe Illustrator, Git/Github, CI/CD, Agile, Familiar with SQL, Docker, and Microsoft Access DB

Experience

Software Developer

San Diego Supercomputer Center | June 2023 - Present

- Assisted in the modification of backend routes, query documentation, and database migration to a new website for the **Shiley Marcos Alzheimer's Disease Research Center** at UCSD.
- Delivering backend and frontend solutions for the **NeuroRes** mobile application
  - Refactored old REST API endpoints using Golang and MySQL to ensure proper chat functionalities between users
  - Contributing to frontend UI tasks on mobile Android platform

Frontend Developer

ACM AI | May 2023 - June 2024

- Board member for **ACM Artificial Intelligence** division at UC San Diego, a club dedicated to teaching machine learning/AI to students
- Helped prototype new redesigns for main website ai.acmucsd.com using Figma
- Created React.js and Ant Design UI to translate mockups into interactive components
- Developed a new student portal/dashboard prototype for annual AI competitions

Website Manager

Video Game Development Club at UCSD | March 2023 - June 2024

- Set up an events system for **VGDC at UCSD** using Google Spreadsheets
- Designed and developed new modern web page using Next.js, with new features under way to provide news and information to students about the organization.

Courses

Data Structures and Algorithms, Software Engineering, Web Client Languages, Computer Graphics, Supervised Machine Learning, Neural Networks/Deep Learning, Parallel Computing with CUDA, Component and Logic Design

Projects

Github: https://github.com/will-loves-coding82

MERN Stack app

- Explored server-side applications and REST API to understand how user Sign-in/Sign-Up works
- Researched and integrated user schemas, Express routing, POST/GET requests to communicate with MongoDB database, Node JS, Web Tokens, and multi-page navigation in React

Android Mobile Application

- Collaborated with other SDSC students to create our own Android application called Bloom Book designed to keep track of plant growth, water schedules and notes.
- Worked as build master to integrate and test new backend and frontend features.
- Took initiative to plan and research best practices for UI logic and design.