Hanson Nguyen

Bay Area, CA

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Technical Skills/Certifications

Languages: Python, C++, C, HTML/CSS, JavaScript/TypeScript
Technologies/Frameworks: React/React Native, Next.js, Node, Express, MongoDB, Supabase (Postgres), Firebase, Prisma, Linux, GitHub
Developer Technologies: AWS, Git, Bash
Certifications: AWS Certified Cloud Practitioner

Experience

Symmetry Laser <div align="right">**Planned June 2023 – September 2023**</div>
Software Engineering Intern <div align="right">*Davis, CA*</div>

- Working within a team of 15 individuals to optimize current systems using **Python**, enhancing overall efficiency

AggieWorks <div align="right">**January 2023 – Present**</div>
Software Engineer <div align="right">*Davis, CA*</div>

- Collaborated with a team of 20 developers, designers, and project managers in an **AGILE** work environment to build a roommate matching app and a marketplace website using **React**, **TypeScript**, **Supabase**, and **Prisma**
- Reduced API latency caused by storing data and images by **80%** from 5 seconds to 1 second, resulting in faster load times
- Leveraged **React hooks** to manage state and lifecycle methods, resulting in a smooth, seamless user experience
- Refined filtering system to allow students to match based on their preferences, resulting in higher user engagement

Computers 4 Kids <div align="right">**October 2022 – Present**</div>
Website Editor Intern <div align="right">*West Sacramento, CA*</div>

- Cooperated in a team of 6 people on the design and maintenance of a non-profit website aimed at providing technology access to underprivileged communities
- Developed and implemented web pages using **HTML** and **CSS** to promote e-waste recycling and affordable internet access opportunities, increasing site visitors by nearly **40%**

Projects

Workout Tracker | *React, Node.js, Express, MongoDB* <div align="right">**February 2023 – March 2023**</div>

- Built a full-stack workout tracker application with various features such as workout logging and exercise tracking
- Developed the backend of the application using **Node.js** and **Express**, creating API endpoints for data retrieval and manipulation
- Utilized **React context** to manage the application's state and facilitate communication between components
- Incorporated user authentication and authorization using **JSON Web Tokens** (JWTs) and **bcrypt** for password hashing

Pokébot | *Python, REST APIs* <div align="right">**November 2022**</div>

- Programmed Discord bot using **Python**, **REST APIs**, and **Object-Oriented Programming** to perform over a dozen commands for retrieving and presenting Pokémon-related data
- Successfully deployed using an **AWS EC2** instance, enabling seamless interaction with users

Education

University of California, Davis <div align="right">**Sep. 2021 – June 2025**</div>
Bachelor of Science in Computer Engineering <div align="right">*Davis, CA*</div>

- Dean's List Fall 2021, Spring 2022, and Winter 2023
- 3.93/4.0 Engineering GPA

Relevant Coursework

- Data Structures and Algorithms
- Circuits I
- Object-Oriented Programming
- Discrete Math
- Programming and Microcontrollers
- Engineering Design
- Intro to Digital and Analog Systems

Leadership / Extracurricular

IEEE <div align="right">**December 2021 – Present**</div>
Treasurer <div align="right">*University of California, Davis*</div>

- Led finance team to acquire sponsorships and funding for events with up to **120** attendees, comprising of students, faculty, and industry professionals
- Managed and processed reimbursements and purchases for over **50** transactions
- Secured and allocated a budget of **$8,000+** for workshops, company representative events, and social gatherings that helped students develop their career goals and deepen their understanding of engineering fundamentals