HANSON NGUYEN

San Jose, CA

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Technical Skills/Certifications

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

Experience

AggieWorks　　　　　　　　　　　　　　　　　　　　　　　　　　**January 2023 – Present**
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Davis, CA*
- Collaborated with a team of 13 developers, designers, and project managers in an **AGILE** work environment to build a roommate matching app using **React Native**, **TypeScript**, and **Supabase**
- Leveraged **React hooks** to manage state and lifecycle methods, resulting in a smooth, seamless user experience
- Implemented a filtering system to allow students to match based on their preferences, resulting in higher user engagement
- Reduced API latency caused by storing data by **80%** from 5 seconds to 1 second
- Incorporated data validation and error handling to prevent data inconsistencies and improve data integrity

Computers 4 Kids　　　　　　　　　　　　　　　　　　　　　　　**October 2021 – Present**
Website Editor Intern　　　　　　　　　　　　　　　　　　　　　　　　　*West Sacramento, CA*
- Worked in a team of 5 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*　　　　　　　**February 2023 – March 2023**
- 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
- Implemented user authentication and authorization using **JSON Web Tokens** (JWTs) and bcrypt for password hashing

Pokébot | *Python, REST APIs*　　　　　　　　　　　　　　　　　　　　**November 2022**
- Designed and created Discord bot using **Python** and RESTful PokéAPI
- Implemented Object-Oriented Programming to create a range of commands for retrieving and presenting Pokémon-related data
- Successfully deployed using an **AWS EC2** instance, enabling seamless interaction with users and improving community engagement

Education

University of California, Davis　　　　　　　　　　　　　　　　　　**Sep. 2021 – June 2025**
Bachelor of Science in Computer Engineering　　　　　　　　　　　　　　　　　　　*Davis, CA*
- 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　　　　　　　　　　　　　　　　　　　　　　　　　　　**December 2021 – Present**
Treasurer　　　　　　　　　　　　　　　　　　　　　　　　　*University of California, Davis*
- 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