HANSON NGUYEN

Bay Area, CA

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Technical Skills/Certifications

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

Experience

Symmetry Laser June 2023 – Present
Software Engineering Intern *Davis, CA*
- Working within a team of 15 individuals to optimize current systems using **Python**, enhancing overall efficiency

AggieWorks January 2023 – Present
Software Engineer *Davis, CA*
- Collaborated with a team of 20 developers, designers, and project managers in an **AGILE** work environment to build applications for nearly **40,000** students 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
- Implemented responsive user interfaces using **Next.js**, leveraging the power of React and server-side rendering, resulting in higher user engagement

Computers 4 Kids October 2022 – Present
Web Technician *West Sacramento, CA*
- 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
- Increased site visitors by **40%** by developing web pages using **HTML** and **CSS** to promote e-waste recycling and affordable internet access opportunities

Projects

SmartNotes | *Python, OpenCV, Google Cloud Vision, OpenAI* June 2023
- Programmed a **Python** script to enhance handwritten notes using **OCR** and **AI** technologies
- Employed image processing techniques to enhance the quality of handwritten notes, resulting in a **50%** improvement in Cloud Vision's OCR outputs
- Incorporated OpenAI's language model capabilities to enhance the quality of generated summaries

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
- Incorporated user authentication and authorization using **JSON Web Tokens** (JWTs) and **bcrypt** for password hashing

Education

University of California, Davis Sep. 2021 – June 2025
B.S. in Computer Engineering |Minor in Technology Management |Engineering GPA: 3.93/4.0 *Davis, CA*
- Dean's List Fall 2021, Spring 2022, and Winter 2023: Recognized among the top 16% of GPA in College of Engineering
- 2023 ECE Texas Instruments Scholarship: Awarded for academic excellence and commitment to Computer Engineering

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 at UC Davis 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