# Hanson Nguyen

San Jose, CA

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## Education

**University of California, Davis**                                         **Sep. 2021 – June 2025**
*Bachelor of Science in Computer Engineering*                                *Davis, CA*
- Dean's List Fall 2021 and Spring 2022
- 3.9/4.0 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

## 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
- 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*
- Contributed to 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
- Worked in a collaborative team environment to achieve the organization's goals

## 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
- Deployed the application to a production environment using a cloud-based platform

**Pokébot** | *Python, REST APIs*                                           **November 2020**
- 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

## Technical Skills

**Languages**: Python, C++, C, HTML/CSS, JavaScript/TypeScript
**Technologies/Frameworks**: React/React Native, Node.js, Express.js, MongoDB, Supabase (Postgres), Linux, GitHub
**Developer Tools**: VS Code, Git, Bash

## Leadership / Extracurricular

**IEEE**                                                                   **December 2021 – Present**
*Treasurer*                                                                  *University of California, Davis*
- Collaborated with finance team and other officers 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 **30** 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