





# HANSON NGUYEN

San Jose, CA — Open to Relocate/Remote

 [hansonn.com](https://hansonn.com)  [hnnnguyen@ucdavis.edu](mailto:hnnnguyen@ucdavis.edu)  [linkedin.com/in/hansonnguyen](https://linkedin.com/in/hansonnguyen)  [github.com/hansonguyen](https://github.com/hansonguyen)

## Education

### University of California, Davis

September 2021 – June 2025

*B.S. in Computer Engineering | Minor in Technology Management | GPA: 3.8/4.0*

*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
- IEEE (Treasurer): Led finance team of 4 to secure **\$8000+** for engineering workshops and networking events

## Experience

### Symmetry Laser

June 2023 – Present

*Software Engineering Intern*

*Davis, CA*

- Minimized the number of late jobs by **30%** with an automated job scheduling algorithm and built a full-stack application using React and Flask
- Reduced upload time for logging application events by **50%** from 8 to 4 seconds using Python and InfluxDB
- Employed Flask, efficient SQL queries, and multithreading to build data visualizations for 12 other employees, improving the manufacturing workflow
- Saved dozens of hours of manual work by automating the filing process of COCs with a user-friendly PyQT application

### AggieWorks

January 2023 – Present

*Software Engineer*

*Davis, CA*

- Collaborated with a team of 20 developers, designers, and product 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 to 1 second, resulting in faster load times
- Implemented responsive user interfaces using Next.js and TailwindCSS, resulting in higher user engagement

### Computers 4 Kids

October 2022 – Present

*Web Technician*

*West Sacramento, CA*

- Increased unique site visitors by **50%** and accumulated over **25,000** page views by developing web pages using HTML and CSS that promoted e-waste recycling and affordable internet access opportunities

## Projects

### Cabin Booking | *Next.js · Go · AWS · MongoDB*

August 2023

- Worked with 1 other peer to build a full-stack booking website for a private client
- Architected a robust REST API using Go and MongoDB for efficient database management
- Initiated continuous deployment of serverless API with Github Actions, utilizing AWS Lambda and AWS API Gateway for efficient scaling
- Integrated secure authentication in API routes and frontend using AWS Cognito and JSON Web Tokens
- Used Next.js to decrease client-side load times, enhancing the user experience and streamlining navigation

### SmartNotes | *Python · OpenCV · Google Cloud Vision · OpenAI · Tkinter*

June 2023

- Programmed a Python application 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 and analyses

### Pawfect Sitters | *Firebase · Auth0 · Next.js · Express.js · Node.js*

May 2023

- Teamed up with 3 peers to create a full-stack app linking pet sitters and owners under a tight deadline
- Developed and defined the backend infrastructure using Node.js and Express for the API and server functionality
- Managed pet data securely through MongoDB while utilizing Firebase for image hosting

## Technical Skills/Certifications

**Languages:** Python, JavaScript/TypeScript, Go, SQL, C++, C, HTML, CSS

**Technologies/Frameworks:** React/React Native, Next.js, Node.js, Express.js, Flask

**Databases and Cloud:** SQLite, MongoDB, Firebase, InfluxDB, AWS (EC2, Lambda, Cognito, IAM), GCP (Cloud Vision)

**Developer Tools:** Git, Github Actions, Bash, Linux

**Certifications:** AWS Certified Cloud Practitioner