

Dustin Duong

669-238-6328 | San Jose, CA | dduong2@scu.edu | [LinkedIn](#) | [GitHub](#) | [Personal Website](#) | U.S. Citizen

EDUCATION

Santa Clara University

09/2022 – Present

B.S. in Computer Science, Minor in MIS (Anticipated Graduation: 3/2026)

Santa Clara, CA

- Related Coursework: Embedded Systems, C++ and OOP, Data Structures, Discrete Mathematics, Math 12-14, Probability and Statistics I, Theory of Algorithms, Linear Algebra, Computer Security, Design and Management of Software, Programming Languages

EXPERIENCE

REC Exchange - Part Timer | *Excel, Javascript, Next.js*

04/2024 – 06/2024

- Conducted market research and wrote documentation, organizing findings into five comprehensive Excel spreadsheets
- Contributed a landing page with authorization and persistent authentication

TECHNICAL SKILLS

Languages: Python, C++, Java, Javascript, Typescript, HTML/CSS, MySQL, Assembly

Frameworks: Spring, Spring Boot, React.js, Django Web, Django Rest

Developer Tools: Git, Virtual Box Machine, MySQL Workbench, Postman, Google Cloud, AWS, Firebase, Next.js, Node.js, Figma, Slack, MongoDB, Azure, Docker, Kubernetes, Ngrok

Skills: Front-End Development, Back-End Development, UI / UX Design, Web Applications, Agile, Troubleshooting, RESTful Web Services, Object-Oriented Design, Data Structures, UI/UX Design, Web Applications, Software Development Lifecycle, Troubleshooting, Embedded LLMs — **Soft Skills:** Collaboration, Problem Solving, Verbal/Written Communication

PROJECTS

Voicemail Assistant Workflow | *Next.js, Ollama, RAG, ChromaDB*

02/2025 – Present

- Leveraged **Nomic-Embed Text** and **ChromaDB** to vectorize voicemail transcripts
- Deployed **Ollama 3.2** model augmented with **RAG** and **Langchain** to enable dynamic response generation

Digitized Mentor Platform | *Next.js, OpenAI*

02/2025 – 02/2025

- Engineering platform where users can interact with digital representations of professionals for guidance
- Leveraged **Mediastream API** and **ChatGPT-o4** to vectorize work experience recordings to career data
- Deployed ChatGPT-o4 OpenAI Assistants fine-tuned with datasets of sample responses

Workday Extension - SCU Schedule Helper | *Next.js, AWS Services, Chrome DevTools*

09/2024 – Present

- Spearheaded frontend development of SCU course registration **Chrome** extension, helping **500+** users
- Engineered **Workday** injection scripts, **Next.js** popup interface, friend network, and AI advisor functionality
- Designed and executed automated data pipeline extracting **30+** SCU Bulletin Board pages into vector database, enabling real-time AI course recommendations
- Optimized **OpenAI Assistant API** implementation through advanced prompting techniques (**chain of thought**, **role assignment**), achieving enhanced response accuracy and personalized academic guidance
- Practiced software development life-cycle, from ideation to deployment, including **10+** pages of user and system requirements, **Figma** screens, implementation plan, **UML** (Class, Database, Activity Diagrams), and user testing

Viginere Cypher Webevent | *React, Next.js, MUI, Javascript, Firebase, Google Cloud*

08/2024 – 09/2024

- Coded interactive viginere cypher webevent with **Next.js** attracting 10+ users
- Implemented **Google** authentication system, data retrieval system, and data publish system with **Firebase**

Sentiment Analyzer | *Next.js, AWS Comprehend, AWS Lambda*

10/2024 – 10/2024

- Engineered a real-time sentiment analysis platform processing audio recordings through **AWS Comprehend**
- Architected backend using **AWS Lambda and API Gateway**

Probability Simulator | *Unity, C#, Github*

02/2024 – 02/2024

- Developed interactive app that simplifies statistics with coin flips and die roll animations
- Completed development within 24-hour hackathon timeframe, achieving 80+ demo views in first week

CERTIFICATES

Meta Back-End Developer Certificate | *Python, Github, Django, Bootstrap, Rest API*

09/2023 – 02/2024

- Completed 6 courses with 95% average score across 30+ labs and modules
- Practiced APIs, Django Web Framework, version control, programming in python, and databases

ORGANIZATIONS AND LEADERSHIP

Theta Tau - Professional Engineering Fraternity

03/2024 – Present

Professional Development Chair

Santa Clara, CA

- Led 5-person committee organizing 3 successful technical skills, soft skills, and career related workshops
- Increased workshop attendance by 30%, achieving 100+ total attendance