Dustin Duong

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EDUCATION

Santa Clara University 09/2022 – Present

B.S. in Computer Science and Management Information Systems (Anticipated Completion: 6/2027)   *Santa Clara, CA*

- Overall GPA: 3.65/4.0
- MIS GPA: 4.0/4.0
- Related Coursework: Embedded Systems, Logic Design, C++ and OOP, Data Structures, Algorithm Theory, Computer Security, Programming Languages, Design and Management of Software, Discrete Mathematics

EXPERIENCE

Stage 4 Solutions - SDE Intern 06/2025 – 9/2025
- Built **Chrome** extension increasing sales lead generation by **300%** to 10+ leads/min
- Implemented HubSpot automation workflows to optimize business processes and improved lead conversion rates
- Developed RAG agent with knowledge base on potential customer company 10-K and 10-Q SEC filings from SEC EDGAR APIs
- Conducted market research on AI sales tool, wrote documentation, and researched potential customers

TECHNICAL SKILLS

- **Languages**: Java, Javascript/Typescript, Golang, C++, SQL, HTML
- **Frameworks**: Spring, Spring Boot, React.js
- **Developer Tools**: Git, Virtual Box Machine, MySQL Workbench, NoSQL, PostgreSQL, Postman, Curl, Google Cloud, AWS, Next.js, Node.js, Express, Docker, Ollama, MacOS, Linux Jira, n8n, zsh, JWT
- **Skills**: Problem solving, Team collaboration, Team player, Verbal communication, Communication skills, Automated tests, Detail-oriented, Organizational skills, Machine learning, User interface, Data science, Operating systems, Agile, Scrum, CI / CD, Fintech, JSON, DevOps

PROJECTS

[AI-Powered Civic Engagement Platform (OpenAI Hackathon Submission)](#) 08/2025 – Present
- Built desktop application matching user profiles with articles from **regulations.gov** to improve civic participation while protecting user data through local processing
- Designed desktop app using **Tauri** (**Rust + React/TypeScript**) with **Express.js HTTP server**, **REST APIs**, **SQLite** relational database, and **Qdrant** vector database
- Built automated document pipeline using **Docker**-containerized **N8N** workflows and **Supabase** for **regulations.gov API** data ingestion
- Implemented local **RAG** with labeling, chunking, embedded document text, and semantic similarity matching
- Created AI agent that analyzes document comment boards for sentiment and different perspectives
- Built interactive force-directed graph using **D3.js** and **TypeScript** with **semantic similarity clustering** via **Qdrant vector database** and **DBSCAN** to visualize regulatory document relevancy across user interests

[SCU Schedule Helper: Chrome Extension for Workday Course Registration](#) 08/2024 – Present
- Built **Chrome extension** enhancing university course registration with injected professor/course ratings, friend networks, and automated google calendar scheduling for **400+** active users
- Integrated automated email workflow using **N8N** and **AWS SES**, increasing user adoption by **40%**
- Developed **Workday** injection scripts and **Next.js** popup interface with social features and preference settings
- Built **RESTful API** with **CRUD** operations using **AWS Lambda** functions for backend data management
- Authenticated users with **JWT** tokens
- Executed full **SDLC** including requirements documentation, **Figma** prototypes, **UML** diagrams, and user testing

Interactive Cryptography Web Event - Vigenère Cipher 08/2024 – 09/2024
- Built interactive cryptography learning platform using **Next.js** with real-time Vigenère cipher encoding/decoding functionality for **15+** participants
- Implemented **Google OAuth** authentication and **Firebase Firestore** for user data management

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 – 3/2025

Professional Development Chair
- Led 5-person committee organizing technical skills, soft skills, and career related workshops with 100+ attendees