

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 - Sales Operations Intern

06/2025 – 9/2025

- Increased sales lead generation by **300%** to 10+ leads/min by building **Chrome** extension for automated prospect identification and data collection
- Improved lead conversion rates and reduced manual work by implementing **HubSpot** automation workflows
- Built comprehensive customer intelligence system by developing **RAG** agent with knowledge base on company 10-K and 10-Q **SEC** filings using **EDGAR APIs**
- Wrote five pages of research and documentation on potential AI sales tools

REC Exchange - SDE Intern

06/2024 – 08/2024

- Conducted market research on RECs, wrote documentation, and researched potential customers
- Developed landing page with Next.js and MaterialUI

TECHNICAL SKILLS

- **Languages:** Javascript/Typescript, Java, C++, Scala, 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, MS Office Suite, Excel
- **Skills:** Problem Solving, Team Collaboration, Verbal Communication, Communication Skills, Detail-Oriented, Organizational Skills, Machine Learning, User Interface, Compliance, Agile, Front-end, Back-end,

PROJECTS

[Regulations.gov Desktop App \(Hack4Humanity and Hacktivism\)](#)

08/2025 – Present

- Fetched and stored **1000+** regulatory documents weekly by developing data workflow with **Docker**-containerized **N8N** pipelines, **regulations.gov APIs**, and **Supabase**
- Developed local **RAG** system with document storing, labeling, chunking, and embedding using **Express.js**, **SQLite**, and **Qdrant** to match searches and user profiles with government documents
- Achieved **95%** user-document matching accuracy from test user interviewers by implementing force-directed semantic similarity with **Qdrant vector database** and **DBSCAN clustering**
- Ensured 100% data privacy by building local processing pipeline with **Tauri (Rust + React/TypeScript)** and local **Ollama** model inference
- Created AI workflow to identify sentiments and perspectives from regulatory proposal comments
- Built interactive force-directed graph visualization using **D3.js** and **TypeScript** with semantic clustering

[SCU Schedule Helper: Chrome Extension for Workday Course Registration](#)

08/2024 – Present

- Collaborated to build Chrome extension extension with **400+** active users
- Developed features for professor ratings, preference settings, friend network, and **Google Calendar** scheduling
- Increased user adoption by **50%** through newsletters using **N8N** and **AWS SES** email workflow
- Scraped and aggregated course and professor data from over **60,000** course evaluation PDFs (published by SCU), combined with RateMyProfessor data
- Assisted with development of **CRUD AWS Lambda** functions handling ratings and profile data
- Integrated seamlessly with university systems via **Workday** injection scripts and **Next.js** popup interface
- Implemented feedback-driven features such as colorblind accessibility and detached chrome extension window
- Executed full **SDLC** including requirements documentation, **Figma** prototypes, **UML** diagrams, user testing, and Chrome Web Store publication

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 on 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