

# 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

- 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 with custom triggers and data synchronization
- 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

## 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
- **Skills:** Problem Solving, Team Collaboration, Team player, Verbal Communication, Communication Skills, Detail-Oriented, Organizational Skills, Machine Learning, User Interface, Data Architecture, Information Security, Project Management, Compliance, Agile

## PROJECTS

### [Regulations.gov Desktop App](#)

08/2025 – Present

- Ingested 1000+ regulatory documents to be matched to user interests by developing data workflow with **Docker**-containerized **N8N** pipelines with **regulations.gov API** rate handling and **Supabase**
- Developed local **RAG** system with document labeling, chunking, and embedding using **Express.js**, **SQLite**, and **Qdrant**
- Achieved 95% user-document matching accuracy 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
- Enhanced user understanding of regulatory proposals by creating AI workflow that identifies comment sentiments and different perspective
- Built interactive force-directed graph visualization using **D3.js** and **TypeScript** with semantic similarity clustering for document exploration

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

08/2024 – Present

- Reached 400+ active users by developing **Chrome extension** with professor ratings, preference settings, friend network, and automated **Google Calendar** scheduling
- Increased user adoption by **50%** through automated email workflow using **N8N** and **AWS SES**
- Integrated seamlessly with university systems via **Workday** injection scripts and **Next.js** popup interface
- Improved accessibility for colorblind users by implementing feedback-driven color scheme modifications
- Integrated authentication through **RESTful API** with **JWT** authentication using **AWS Lambda** functions
- 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