

Dustin Duong

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Summary: Committed and innovative third-year student at Santa Clara University pursuing a B.S. in computer science with an emphasis in software engineering. With experience in front-end, back-end, cloud technologies, LLMs, and working in diverse teams, I am excited to apply these skills to software related positions.

EDUCATION

Santa Clara University	09/2022 – Present
<i>B.S. in Computer Science (Anticipated Graduation: 3/2026)</i>	<i>Santa Clara, CA</i>
<ul style="list-style-type: none">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 LanguagesCurrent GPA: 3.7	

EXPERIENCE

REC Exchange - Part Timer <i>Excel, Google Slides</i>	04/2024 – 06/2024
<ul style="list-style-type: none">Conducted market research, organizing findings into five comprehensive Excel spreadsheetsReviewed and contributed documentation on RECs and researched local distributors and buyersContributed a landing page with authorization and persistent authentication	

TECHNICAL SKILLS

Languages: Python, C++, Java, Javascript, Typescript, HTML/CSS, MySQL, Assembly
Frameworks: Spring, Springboot, 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
Skills: Front-End, Back-End, Web development, Amazon web services, object-oriented design, data structures, UI/UX design, problem solving, communication skills, Web Applications, Software Development Lifecycle, agile

PROJECTS

Digitized Mentor Platform - Hack for Humanity 2025 <i>Next.js, OpenAI, Ollama, RAG</i>	02/2024 – Present
<ul style="list-style-type: none">Engineering platform where users can interact with digital representations of professionals for guidanceDeveloped interactive proof of concept within 24 hour time-frameLeveraging Mediastream API and ChatGPT-o4 to vectorize work experience recordings to career dataDeploying Ollama 3.1 augmented with RAG and Langchain to enable intelligent dynamic response generation	
Workday Extension - SCU Schedule Helper <i>Next.js, AWS Services, Chrome DevTools</i>	09/2024 – Present
<ul style="list-style-type: none">Spearheaded frontend development of SCU course registration Chrome extension, helping 500+ usersEngineered Workday injection scripts, Next.js popup interface, friend network, and AI advisor functionalityDesigned and executed automated data pipeline extracting 30+ SCU Bulletin Board pages into vector database, enabling real-time AI course recommendationsOptimized OpenAI Assistant API implementation through advanced prompting techniques (chain of thought, role assignment), achieving enhanced response accuracy and personalized academic guidancePracticed 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 <i>React, Next.js, MUI, Javascript, Firebase, Google Cloud</i>	08/2024 – 09/2024
<ul style="list-style-type: none">Coded interactive viginere cypher webevent with Next.js attracting 10+ usersImplemented Google authentication system, data retrieval system, and data publish system with Firebase	
Sentiment Analyzer <i>Next.js, AWS Comprehend, AWS Lambda</i>	010/2024 – 010/2024
<ul style="list-style-type: none">Engineered a real-time sentiment analysis platform processing audio recordings through AWS ComprehendArchitected serverless backend using AWS Lambda and API Gateway	
Probability Simulator - Hack for Humanity 2024 <i>Unity, C#, Github</i>	02/2024 – 02/2024
<ul style="list-style-type: none">Developed interactive app that simplifies statistics with coin flips and die roll animationsCompleted development within 24-hour hackathon timeframe, achieving 80+ demo views in first week	

CERTIFICATES

Meta Back-End Developer Certificate <i>Python, Github, Django, Bootstrap, Rest API</i>	09/2023 – 02/2024
<ul style="list-style-type: none">Completed 6 courses with 95% average score across 30+ labs and modulesPracticed APIs, Django Web Framework, version control, programming in python, and databases	

ORGANIZATIONS AND LEADERSHIP

Theta Tau - Professional Engineering Fraternity	03/2024 – Present
<i>Professional Development Chair</i>	<i>Santa Clara, CA</i>
<ul style="list-style-type: none">Led 5-person committee organizing 3 successful technical skills, soft skills, and career related workshopsIncreased workshop attendance by 30%, achieving 100+ total attendance	