

Derek Chui

Santa Clara, CA

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Summary

- Computer Science and Engineering Student minoring in Responsible AI and Undergraduate Student Research Assistant at Santa Clara University. Proficient in C/C++, MATLAB, Python, and Astro. Supported classes as a training specialist at Honeywell. Committed to building projects focused on efficiency and optimization.

Skills

Programming: C, C++, Java, Python, Data Structures & Algorithms, MATLAB

Web Dev: HTML, CSS, JavaScript, Netlify, Astro

Software: Final Cut Pro, Microsoft Visual Studio Code, LinkedIn Sales Navigator, Git, GitHub

General: Lead Generation, Building Automation Systems (BAS)

Projects

Network Optimization <ul style="list-style-type: none">• Optimal algorithms and utility for semantic user grouping in NOMA wireless systems.	Mar 2025 - Present
Personal Website <ul style="list-style-type: none">• Done with Netlify and Astro frameworks.	Mar 2025 - Present
Benchmark <ul style="list-style-type: none">• Learning the basics of different languages.	Jun 2024 - Mar 2025
Fantasy Premier League <ul style="list-style-type: none">• Game in C++ to simulate team drafting and weekly matchups.	Jan 2025 - Mar 2025
Phonebook <ul style="list-style-type: none">• Multi threaded phonebook application in C for storing and retrieving contacts.	Sep 2023 - Nov 2023
Word Gravity <ul style="list-style-type: none">• Interactive typing game in JavaScript where players type letters before they reach the bottom.	Jan 2022 - May 2022

Education

Santa Clara University <i>Bachelor of Science in Computer Science and Engineering, Minor in Responsible AI</i>	Santa Clara, CA June 2027
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Experience

Research Assistant <i>Santa Clara University</i> <ul style="list-style-type: none">• Wireless Intelligent Networks (WIN) Lab and Optimizing Non Orthogonal Multiple Access (NOMA) Networks.	Apr 2025 - Present <i>Internship Hybrid</i>
Sales Development Representative <i>ProofJump</i> <ul style="list-style-type: none">• Connected with professionals in the SaaS, B2B, and SDR industries through LinkedIn Sales Navigator. Planned and automated outreach emails to specific audiences. Set up routines for both outbound & inbound communication.	Jul 2024 - Present <i>Part-time Remote</i>
Training Specialist <i>Honeywell</i> <ul style="list-style-type: none">• Made training videos on Honeywell XLS fire alarm devices, helped plan courses, worked on site at various apartment buildings. Supported instructors during training. Training in Honeywell Building Automation Systems.	Jul 2024 - Nov 2024 <i>Part-time On-site</i>
Video Editor <i>Freelance</i> <ul style="list-style-type: none">• Edited video content for clients. Final Cut Pro for tasks like cutting, color grading, audio editing, and visual effects. Organized file management for raw footage, project files, and final exports. Motion graphics and animations.	February 2021 - July 2023 <i>Remote</i>
Content Creator <i>Self-Employed</i> <ul style="list-style-type: none">• YouTube content on gaming, lifestyle, tech, original video essays, montage segments, and more. Hosted a podcast with discussions and interviews. Blogs with written content and in depth articles, later compiled into a short book.	December 2015 - February 2021 <i>Remote</i>