

Derek Chui

Santa Clara, CA

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Summary

- Computer Science and Engineering Student minoring in Responsible AI and 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, Web Scraping

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

General: Lead Generation, Building Automation Systems (BAS)

Projects

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| Football Analytics | Jul 2025 - Present |
| • Analytics on Wolves (EPL) with web scraping, data visualization and analysis with Python, Jupyter. | |
| Network Optimization | Mar 2025 - Present |
| • Semantic Utility Driven User Pairing and Triplet Grouping for NOMA Networks. | |
| Benchmark | Jun 2024 - Mar 2025 |
| • Learning the basics of different languages. | |
| Fantasy Premier League | Jan 2025 - Mar 2025 |
| • Game in C++ to simulate team drafting and weekly matchups. | |
| Phonebook | Sep 2023 - Nov 2023 |
| • Multi threaded phonebook application in C for storing and retrieving contacts. | |
| Word Gravity | Jan 2022 - May 2022 |
| • Interactive typing game in JavaScript where players type letters before they reach the bottom. | |

Education

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

Experience

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| Research Assistant | Apr 2025 - Present |
| <i>Santa Clara University</i> | <i>Internship Hybrid</i> |
| • Wireless Intelligent Networks and efficient user clustering in NOMA 6G networks. | |
| Sales Development Representative | Jul 2024 - Present |
| <i>ProofJump</i> | <i>Part-time Remote</i> |
| • 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. | |
| Training Specialist | Jul 2024 - Nov 2024 |
| <i>Honeywell</i> | <i>Part-time On-site</i> |
| • 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. | |
| Video Editor | February 2021 - July 2023 |
| <i>Freelance</i> | <i>Remote</i> |
| • 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. | |
| Content Creator | December 2015 - February 2021 |
| <i>Self-Employed</i> | <i>Remote</i> |
| • 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. | |