

Derek Chui

Santa Clara, CA

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Summary

- Computer Science & Engineering student at Santa Clara University. Building football data analytic systems and 6G user clustering networks. Research Assistant. Proficient in C/C++, MATLAB, Python, and Astro. Supported classes as a training specialist at Honeywell.

Current Projects

Football Analytics	Jul 2025 - Present
· Collection of Python projects. Data analysis, visualisation and web scraping.	
Network Optimization	Mar 2025 - Present
· Semantic utility driven NOMA networks & reinforcement learning.	

Research

Semantic Utility Driven User Pairing and Triplet Grouping for NOMA Networks	Aug 2025
· Submitted to the IEEE Consumer Communications & Networking Conference 2026.	

Education

Santa Clara University	Sep 2023 - Jun 2027
<i>Bachelor of Science in Computer Science and Engineering, Minor in Responsible AI</i>	

Experience

Research Assistant	Apr 2025 - Present
<i>Santa Clara University</i>	
· Wireless Intelligent Networks and efficient user clustering in NOMA 6G networks.	

Teaching Assistant	Sep 2025 - Dec 2025
<i>Santa Clara University</i>	

Sales Development Representative	Sep 2025 - Dec 2025
<i>ProofJump</i>	

Training Specialist	Sep 2025 - Dec 2025
<i>Honeywell</i>	

Video Editor	Sep 2025 - Dec 2025
<i>Freelance</i>	

Programming: C, C++, Java, Data Structures & Algorithms, MATLAB	Oct 2024 - Present
Data Analysis: Python, Web Scraping, NumPy, Pandas, Matplotlib, Seaborn	

Web Dev: HTML, JavaScript, CSS, Netlify, Astro	Oct 2024 - Present
Software: Final Cut Pro, Microsoft Visual Studio Code, Jupyter Notebooks, LinkedIn Sales Navigator, Git, GitHub	

General: Lead Generation, Building Automation Systems (BAS), LaTeX	Oct 2024 - Present
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Skills

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