

CYRUS WONG

Contact: (408) 828-9738 • cwcyrus1@gmail.com

Location: Sunnyvale, CA 94089

LinkedIn: <https://linkedin.com/in/wong-cyrus/>

Webpage: <https://webpages.scu.edu/ftp/cwong6/>

EDUCATION

Santa Clara University (SCU)

Bachelor of Science in Engineering: Mechanical Engineering

Bachelor of Arts: Classics - Classical Studies

Minor in Electrical Engineering

Overall GPA: 3.968/4.000

09/2022 – 06/2026

Santa Clara, CA

Member of the University Honors Program and the Tau Beta Pi, Pi Tau Sigma, and Eta Sigma Phi Honor Societies

EXPERIENCE

Santa Clara University

Undergraduate Researcher

04/2025 – present

Santa Clara, CA

- Applied knowledge of hydrodynamics to find analytical solutions to problems of low Reynolds number flows.
- Presented findings and derivations to faculty.

Santa Clara University

Undergraduate Research Assistant, Thermal and Electrical Nanoscale Transport Laboratory

05/2023 – 07/2024

Mountain View, CA

- Used equipment related to nanotechnology and electronics, including the Scanning Electron Microscope.
- Collaborated with chemical, materials, and electrical engineers at SCU's Center for Nanostructures and TENT (Thermal and Electrical Nanoscale Transport) Laboratory located in NASA Ames Research Center.
- Applied technical knowledge to the repair of critical lab components, including a Data Acquisition Unit.

Santa Clara University School of Engineering

Grader

09/2023 – 06/2024

Santa Clara, CA

- Grader for Electric Circuits I sections over 3 academic quarters. Assisted students in practicing content.

PROJECTS

Design Project: Designing Cost-Effective Quadrupedal Service Robots for Disability Aid

06/2025 – present

- Performed design verification and detailed mathematical analysis of the designs of other team members.
- Assisted teammates in mechanism and power distribution system design.
- Consolidated, drafted, edited, and revised the documentation for the robot and the project thesis.

Applying Data Science to the Comparative Study of Classical works in Dactylic Hexameter

04/2025 – present

- Scanned, translated, and analyzed over 12,000 verses of Classical Greek and Latin works in dactylic hexameter.
- Authored thesis on both the linguistic and data science aspects of the project.

ECEN 50 Solutions Guides

09/2023 – 06/2024

- Utilized proficiency in \LaTeX and knowledge of Circuit Analysis to write 20 solutions manuals for students.
- Completed the drafting and revisions within stringent 1-week timelines for 15+ page documents.
- Refined expertise in the use of the $\text{\textit{TiX}}$ and $\text{\textit{circuitikz}}$ packages.

Server and Board Repair for PECVD Data Acquisition Unit

07/2023 – 11/2023

- Applied computer hardware troubleshooting experience to point out the failures for the system.
- Replaced corroded capacitors and performed verification via impedance analysis.
- Tested and installed new cooling systems onto the graphics card of the rack unit.
- Conducted months' worth of testing, including manual temperature checks with a thermocouple.

SKILLS

SOFTWARE

Engineering Simulation and Modeling

SPICE, Verilog, Simulink, AutoCAD, Solidworks, ANSYS

Programming and Scripting Languages

Java, Python, C, C++, JavaScript, MATLAB

Document Preparation, Web Development

\LaTeX , Microsoft Word, Excel, Powerpoint, HTML, CSS, Inkscape

EQUIPMENT

Lathe, Drill Press, Mill, Bandsaw, Laser Cutter, 3D Printer

DC Power Supply, Multimeter, Waveform Generator, Oscilloscope, I-V Curve Tracer, Impedance Analyzer

Scanning Electron Microscope, Atomic Force Microscope, Energy Dispersive Spectrometer, Probe Station

AWARDS AND CERTIFICATES

MathWorks: Control Design Onramp with Simulink	06/2025
MathWorks: Simulink Fundamentals	04/2025
Mathworks: Simscape Onramp	04/2025
Santa Clara University: Augusta Prize in Greek Studies	06/2024
CornellX ENGR2000X: A Hands-on Introduction to Engineering Simulations	08/2021

OTHER EXPERIENCES

American Society of Mechanical Engineers (ASME), SCU Chapter 10/2022 – present
Chair, 06/2025 – present; Vice Chair, 06/2024 – 06/2025; Webmaster, 10/2022 – present Santa Clara, CA

- Reinvigorated the student organization, improving event offerings and increasing the attendance rate threefold.
- Grew connections between the chapter, Mechanical Engineering department, and professional organization.
- Webmaster and scripter for the ASME SCU Chapter website.

Pi Tau Sigma Mechanical Engineering Honor Society, Santa Clara Alpha Epsilon Chapter 02/2025 – present
President, 06/2025 – present; Member, 02/2025 – present Santa Clara, CA

- Organized networking and career-focused events for mechanical engineering students.
- Invited speakers across disciplines and fields to discuss connections in mechanical engineering.
- Created a series of career development workshops.
- Inducted into the honor society in February 2025.

Tau Beta Pi Engineering Honor Society, California Zeta Chapter 11/2024 – present
Vice-President, 06/2025 – present; Member, 11/2024 – present Santa Clara, CA

- Oversaw the community service of 50+ undergraduate members of the California Zeta chapter.
- Volunteered to tutor dozens of students in undergraduate mathematics, physics, chemistry, computer science, mechanical engineering, and electrical engineering.

Assignments:

- Winter 2025: MECH 114 - Machine Design I, 21 hrs 15 min
- Spring 2025: ECEN 110 - Linear Systems, 11 hrs 40 min
- Fall 2025: AMTH 118 - Numerical Methods, ongoing
- Fall 2025: ECEN 100 - Electric Circuits II, ongoing

- Inducted into the honor society in November 2024.

Santa Clara University Office of Accessible Education 04/2025 – 06/2025
Notetaker Santa Clara, CA

- Volunteered and selected for the notetaker role for the course ECEN 115: Electronic Circuits.
- Submitted an average of 7 pages of typed notes per lecture to the OAE portal.
- Developed technical writing and communication skills while revising notes to be clear and readable.