

# CLEMENT IN-CHIA WU

[linkedin.com/in/clmtwu/](https://www.linkedin.com/in/clmtwu/) | [ciwu@uci.edu](mailto:ciwu@uci.edu) | 吳胤嘉

## Education

Irvine, University of California	Electrical Engineering	Irvine, CA	2025 – present
Ohlone College	Electrical Engineering & Computer Science (EECS)	Fremont, CA	2022 – 2025

## Work Experience

**SEMI Project Intern** Fremont, CA **May 2025 – Jun. 2025**

- Designed a research framework & functional prototype integrating robotics with scanning electron microscopy (SEM) to automate semiconductor analysis at nanoscale
- Developed system for robotic inspection, manipulation, & characterization of semiconductor components, simulating real-world fabrication workflows
- Conducted hands-on experiments to evaluate robotic accuracy, minimize human error, & optimize throughput in microscopy-based inspection workflows.

**Advanced Technology Technician Training (AT3) Intern** Pasadena, CA **Oct. 2024 – May 2025**

- Mastered semiconductor fabrication fundamentals: cleanroom protocols, electronic diagnostics, and equipment maintenance procedures
- Engaged with industry professionals through specialized seminars and networking sessions with industry-leading semiconductor companies (Micron Technologies, etc.)
- Collaborated with nationwide cohort of technical students to develop innovative solutions for complex engineering challenges under strict project timelines

**STEM Senator - Associated Students of Ohlone College (ASOC)** Fremont, CA **Sep. 2024 – May 2025**

- Selected by Executive Board as one of four STEM Senators to advocate & represent all Ohlone College STEM students
- Founded & executed Ohlone's inaugural competitive coding competition (OC3) & its sequel (OC3.2), establishing new traditions for student engagement
- Co-authored & championed legislative bills (STEM Fair, OhloneHacks 5.0 Hackathon, STEM Mixer, etc.) to create comprehensive STEM programming events for student body enrichment

**Ohlone College Computer Science Learning Center (CSLC) On-Site & Embedded Tutor** **Aug. 2024 – May 2025**

- Delivered comprehensive instruction across the full curriculum of Computer Science, Mathematics, & Physics courses offered at Ohlone College
- Achieved dual CRLA Level I & II certification, joining one of only four Ohlone tutors to earn both levels
- Served as a dedicated embedded tutor for CS-170 (Intermediate Java Programming) under Professor Douglas Case, providing specialized supplemental instruction in-person and via Zoom

## Leadership Experience

**Chief Engineering Officer – Tri City Band Corps (TBC)** Fremont, CA **Jun. 2020 – Jun. 2022**

- Spearheaded new organizational framework for technical operations within TBC's leadership structure as the inaugural Chief Engineering Officer under guidance of TBC founder Harrison Cheng
- Collaborated with TBC founder to design & implement innovative marching band performance infrastructure, developing custom structural blueprints for field operations for use in the Tri-City area
- Engineered four proprietary solutions for organizational infrastructure challenges, delivering projects under constrained non-profit budgets & compressed timelines for competition

**Eagle Scout – Scouting Association of America (BSA)** Fremont, CA **Sep. 2016 – Jan. 2022**

- Achieved Eagle Scout rank with four Eagle Palms through completion of 41 merit badges, demonstrating mastery across diverse skill areas and sustained commitment to personal development and excellence
- Completed 903.5 verified community service hours, earning Presidential Volunteer Service Award recognition four consecutive years (Gold 2018-2019, 2021; Silver 2020)

## Degrees

Associate in Science – Mathematics ADT with Highest Honors	Ohlone College
Associate in Science – Computer Science ADT with Highest Honors	Ohlone College
Associate in Science – Physics ADT with Highest Honors	Ohlone College
Associate in Arts – Natural Science: Math & Technology Emphasis with Highest Honors	Ohlone College