

Mario Chong Loo

mchongloo@cpp.edu • Los Angeles • (626) 262-8349 • <https://www.linkedin.com/in/machongloo/> • <https://myceey69.github.io/macl/>

EDUCATION

California State Polytechnic University, Pomona | Pomona, CA Expected Graduation, May 2027
Bachelor of Science, Computer Science GPA: 3.7

Affiliations: STEM Advantage, CodePath, Society of Hispanic Professional Engineers (SHPE)

East Los Angeles College | Monterey Park, CA Transferred, December 2024
Associate Degree in Behavioral Science, Dean's List GPA: 3.71

Affiliations: SHPE, Math, Engineering, Science, Achievement (MESA)

SKILLS

Programming Languages: C++, Java, Python, HTML, CSS, SQL, JavaScript, TypeScript

Operating Systems: Windows, macOS, Linux

Tools & Software: VS Code, jGRASP, Git, SFML, Drupal, Excel, Word, PowerPoint, Teams, Photoshop, Premiere Pro

Technical Skills: IT Support, Troubleshooting, Networking, QA, Debugging, Data Structures and Algorithms, Databases, Building/Upgrading PCs, Artificial Intelligence, operating systems, R, mathematics, enterprise software, communication skills, detail-oriented, problem-solving, verbal and written communication skills

Languages: English (Fluent), Spanish (Fluent), Cantonese (Spoken)

PROFESSIONAL EXPERIENCE

Software Engineer Intern | WLAC Climate Change | Los Angeles, CA September 2025 - December 2025

- Built a responsive climate awareness website using HTML, CSS, and JavaScript, hosted at myceey69.github.io/USGBC-/
- Used Unreal Engine to recreate an Altadena neighborhood and simulate wildfire scenarios for studying fire behavior and potential mitigation strategies

Digital Solutions Intern | Saniset Fleet | Los Angeles, CA June 2025 - September 2025

- Enhanced the Saniset Fleet website on Wix using Velo by developing user-focused features, including a custom product calculator and an AI chatbot to automate support and boost engagement
- Integrated an AI chatbot using the platform feature to automate customer support, reducing manual inquiry handling by 50% and increasing customer engagement rates by 40%
- Conducted end-to-end testing and implemented site analytics, ensuring 99.9% uptime and enabling data-driven decisions aligned with business goals

SOURCES Intern | SCEC/Verisk Analytics | Boston, MA June 2025 - August 2025

- Contributed to seismic hazard research through the CyberShake project, analyzing over 500 GB of simulation data to support earthquake risk assessments, under the mentorship of Dr. Wang, Seismic Risk Scientist at Verisk Analytics
- Developed a Python-based Tkinter GUI that reduced user setup and retrieval time by over 60%, enhancing usability across 4+ core CyberShake data products
- Integrated a large language model (LLM) to provide real-time user support and implemented a seismogram reader that enabled efficient visualization of thousands of waveform files

LACCD Web Services Team Intern | Jacobs x BuildLACCD | Monterey Park, CA April 2024-April 2025

- Collaborated with engineers and project managers to maintain data systems and improve website accessibility across 230,000+ users across nine community colleges in Los Angeles County
- Resolved 100+ web development tickets, participated in Agile sprints, and documented decisions to improve handoffs and project continuity
- Supported high-priority web operations and delivered live tech assistance, cutting peak-period downtime by 35%

IT Support Technician | RiverStreamz | El Segundo, CA March 2024, November 2024

- Served as a Field Support Technician for the 2024 Primary, General Elections, and 2025 Statewide Special Elections, ensuring secure and reliable election infrastructure, keeping the overall integrity of the electoral process
- Resolved 200+ issues related to Ballot Marking Devices (BMDs), ePollBooks, and printers, reducing average downtime per device by 50%

HACKATHONS/PROJECTS

HACKMESA 2025 – LACCD May 2025

Web-Based Fitness Platform - FitFusion

- Built a full-stack fitness tracking platform with Flask (Python) backend and HTML/CSS/JavaScript frontend, enabling users to log workouts and monitor body fat percentage, lean mass, and BMI
- Deployed on Render and added motivational features to enhance user engagement and promote workout consistency

