

Paulo Camacho

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WORK EXPERIENCE AND PROJECTS

Maxun (Open Source) | CTI Accelerate

Jul. 2026 - Aug. 2026

Open-Source Contributor | Summer of Open Source Engineering

Merged PR #1135

- Reduced screenshot-enabled crawl/search runtime ~50% by eliminating duplicate Playwright navigations (2N to N); merged fix into Maxun (17.8k+ stars).
- Captured screenshots during the primary scrape pass; verified Docker Compose crawls retained markdown and images without repeat URL visits.

California State University, Monterey Bay

Aug. 2026 - Present

Teaching Assistant | CST 205 (Python)

Seaside, CA

- Lead weekly Python labs, office hours, and 1:1 debugging sessions to help students grasp core programming concepts.
- Adapt tutoring to recurring mistakes and weekly performance patterns to help students complete challenging labs.

Foundation for California Community Colleges

Jan. 2025 - May 2026

Research & Outreach Intern

Remote, CA

- Built Python/SQL pipelines that standardized institutional datasets from four community colleges for statewide analysis.
- Presented board-facing findings to FoundationCCC leadership, highlighting actionable institutional trends.

Cuesta College Robotics (Aqua Cats)

Jan. 2024 - Jul. 2025

Robotics Software Engineer | MATE ROV Competition

San Luis Obispo, CA

- Engineered Python/Arduino controls for four PWM thrusters and dual-claw actuation over JSON serial on a competition ROV.
- Built a PyQt5 pilot console with threaded joystick input, bidirectional serial I/O, and live OpenCV diagnostics video.

Study Buddy | Kelp Your Neighbor Hackathon

Apr. 2026

Hackathon Engineer | SvelteKit, Supabase, Web Bluetooth

CSUMB

- Co-built Grand Prize-winning study companion using Polar H9/H10 HR/ECG, Web Bluetooth, and RMSSD stress estimation.
- Shipped real-time sensor/waveform UI and Supabase-backed sessions in a 48-hour team sprint; demo: study-buddy.dev

AWARDS

- Grand Prize - Kelp Your Neighbor Hackathon (2026)
- ICPC Pacific Northwest Regional, Division 2 - 25th place (2025)
- MESA STEM Scholarship - Cuesta College (2025)
- Dean's List - California State University, Monterey Bay (2025-2026)

EDUCATION

California State University, Monterey Bay

Expected Spring 2027

B.S. Computer Science

Cuesta College

May 2025

A.S. Computer Science

SKILLS

- **Languages:** Python, TypeScript/JavaScript, C++, Java, SQL, Bash
- **Systems & Tools:** Node.js, Docker, Docker Compose, Git/GitHub, Linux, PostgreSQL, MinIO, Arduino, GDB
- **Frameworks:** Playwright, SvelteKit, PyQt5, OpenCV, pygame, Supabase