

Selvedin Kurtic

San Leandro, CA | P: +1 510-203-2613 | selvedin769@gmail.com | skurtic.com

EDUCATION

California State University – Monterey Bay

Bachelor of Science

Major in Mechatronics Engineering

Relevant Coursework: Engineering Graphics, Physics I; Problem Solving/Programming in Java

Seaside, CA
Aug 2024 - Present

RESEARCH EXPERIENCE

California State University, Monterey Bay - Mechatronics Engineering Dept

Polymer Composite Research Assistant

Seaside, CA
Nov 2025 – Present

- Process and incorporate eco-friendly, bio-based materials into LDPE (low-density polyethylene) systems to support sustainable material development
- Formulated and prepared polymer composite samples using a variety of LDPE and bio-based material mixtures
- Produced 600+ test samples using injection molding and standard testing methods

WORK EXPERIENCE

California State University, Monterey Bay

Residential Advisor

Seaside, CA
Jan 2026 – Present

- Support a cohort of first-year residents, fostering a safe and inclusive community environment
- Plan and lead interactive community-building events for residents
- Respond to on-call incidents and assisted residents with emergencies and room access issues

California State University, Monterey Bay

Library Assistant

Seaside, CA
Sep 2025 – Jan 2026

- Organized library materials in accordance with the Library of Congress classification system
- Assisted students with check-in/check-out of books, games, and course materials

UNIVERSITY PROJECTS

Farm Robotics | RobOtters

2025 - Present

- Programmed and controlled UR5e robotic arm with the Amiga mobile platform using ladder logic systems to automate broccolini harvesting, washing, and sorting processes
- Contributed to development of a human-following and crop-row navigation system to track workers while preventing crop damage

ACTIVITIES

Founder / President, Engineering Club

California State University, Monterey Bay

Seaside, CA
2024 – Present

- Organized and led bi-weekly meetings for students interested in engineering
- Planned and coordinated campus engineering events
- Lead annual clean-up initiative

MATE ROV Mentor

X-Academy

Watsonville, CA
Feb 2026 – Present

- Assisted a team of 20 students in defining mission objectives and project goals
- Supported the development, testing, and iteration of ROV prototypes
- Helped troubleshoot basic electronics including circuits, wiring, and waterproofing

ADDITIONAL

Technical Skills: Polymer Processing (LDPE); Injection Molding; Materials Testing; Fusion 360 (3D Modeling & Printing); AutoCAD (Drafting); Java; Laser Cutting & Engraving; Soldering & Wiring; Basic Electronics

Certifications & Training: e-Series Core Track – Universal Robots (Mar 2026); Laboratory & Shop Safety Training