

**Charlie Carter**  
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## **EDUCATION - Cal Poly San Luis Obispo, California**

Bachelor of Science in Manufacturing Engineering (Graduation: Spring 2026)

- Relevant Coursework: Advanced Manufacturing Processes, CAD/CAM, Materials Science, Robotics, Project Management

## **PROJECTS AND LEADERSHIP**

Cal Poly Amusement Park Engineers and Designers (SLOCAPED) Club

Escape Room Project Co-Lead (Spring 2023)

- Led a team of 10 in designing and manufacturing components for a functional escape room.
  - Utilized CAD software to design parts and 3D printing for prototyping.

Innoventions Board (Fall 2024 onward)

- Engineering/Construction feasibility analysis of submitted projects.
- Manage obtaining funding for approved projects.
- Oversee and assist applicants with project operations planning.

## **Cal Poly Robotics Club**

- Collaborated on robotic systems integrating mechanical design and control systems.
- Mechanical systems for VEX Robotics, mechanical systems for Astromech, team lead for Battlebots, ergonomics and ease of use for UROV. • Elected to officer board spring 2024.

## **Cal Poly Rose Float Club**

Float Prep in Pasadena

- Aided in the design and fabrication of float components, focusing on aesthetic design.

## **PROFESSIONAL EXPERIENCE**

Cal Poly EPIC Engineering Camp

Counselor (Summer 2023)

- Assisted in developing and teaching hands-on engineering projects, including 3D printing and CAD modeling, to middle and high school students.

## **TECHNICAL SKILLS**

- CAD Software: SolidWorks, Rhinoceros 3D, Autodesk Fusion 360, Onshape
- 3D Printing: Experience with wide variety of printer types and models.

- Software: Adobe Photoshop, Adobe Premiere Pro, Blender
- Other Skills: Robotics, Media & Animation, Computer Technician, Video Editing

## **INTERESTS**

- Robotics, Manufacturing Technologies, Advanced CAD Techniques, Autonomous Systems

## **SUMMARY**

An enthusiastic and skilled Manufacturing Engineering student with hands-on experience in CAD, 3D printing, and project management. Adept at collaborating with cross-functional teams to bring innovative designs from concept to production. Eager to contribute by applying technical skills and a strong passion for manufacturing engineering.