

# Kevin Dewey

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## EDUCATION

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California Polytechnic State University - San Luis Obispo (Cal Poly)

Bachelor of Science in **Mechanical Engineering**, June 2027

Overall GPA: 3.5

Class Level: Senior

**Relevant Coursework:** Mechanical Systems Design\*, Design for Strength and Stiffness, Mechanics of Materials, Technical Writing for Engineers, Dynamics, thermodynamics, Fluid Mechanics, Measurement and Data Analysis (**Currently enrolled\***)

## RELEVANT PROJECT EXPERIENCE

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**AFO Brace Redesign - Cal Poly**

Jan. - March 2025

- Collaborated in a team of 3 to design an AFO brace better suited for the end user
- Performed patent research to ensure novelty and avoid trademark infringement in design
- Compiled all relevant research into a literature review
- Gained experience working with an engineering team
- Took project from conception to test plan stage

## INVOLVEMENT

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**Cal Poly Men's Lacrosse – Cal Poly**

Aug. 2022 – Present

- Collaborated with 40+ athletes and coaching staff to execute complex game strategies, emphasizing communication, role clarity, and system-level coordination
- Balanced 15+ hours/week of MCLA Division I athletics with full-time engineering coursework while maintaining strong academic performance

**NGCP Club (Northrop Grumman Collaboration Project)**

Sep. 2025 – Present

- Part of mechanical engineering team working on 3D modeling, fabrication, materials selection, structural analysis, and testing of various drone system designs
- Interdisciplinary work with both aerospace and electrical engineering students
- Part of Payload sub team working on designing a payload delivery system

## SKILLS

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**Computer:** SolidWorks, Fusion 360, EES, Excel, Word, PowerPoint

**Equipment:** Woodshop and Sheet metal machines

## WORK EXPERIENCE

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**Lifeguard**—Kern Aquatics Center

June. 2024 – September 2024

- Facilitated pool safety
- Enhanced leadership, communication, interpersonal, and time management skills

## Accolades/ Interests

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- Cal Poly Men's Lacrosse Coach's Award
- Dean's List