Kevin Shvodian

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Education:

University of California Santa Barbara, CA — Sept. 2021 - June, 2025
Bachelor of Science, Mechanical Engineering GPA: 3.79

CNSI Innovation Grant Winner ($3000): lead a team that developed a computer vision powered sports training robot (LaxBot) as part of the 2024-2025 Mechanical Engineering Capstone program

Relevant coursework:
Mechatronics, machine learning, vector calculus, differential equations, fluid mechanics, thermoscience, circuits, strength of materials, statics, CAD/CAM

Experience:

Kev-Bots, Founder/Camp Counselor — Summer 2024
- Marketed and ran my own Lego robotics camp for middle school students
- Designed an open source, 3d-printable, Lego robotics system to make use of affordable and generic robotics components
- Created a full robotics curriculum suited for campers of multiple skill levels

Hatch, Embedded Systems Intern — Summer 2022
- Created reference documents for the various custom functions and objects in C used by the embedded team
- Tasked with creating a demo program to showcase a potential new feature of Hatch's flagship product
- Worked alongside the other interns to design and market a potential new product for Hatch, and worked with the CEO to pitch this new product to the entire company

Wizbots Robotics Camp, Counselor — Summer 2017
- Helped the campers design, construct, and code Lego robots to complete a given task as part of a structured robotics curriculum

Activities:

Lacrosse:
Started as goalie for UCSB club lacrosse team. Voted co-rookie of the year for the 2022 season. Assisted coaching various high school and youth lacrosse programs.

Santa Barbara Hackerpace:
Member at the Hackerspace where I pursue my hobby of woodworking, as well as practice my machining and fabrication skills through work on various personal projects, such as an electric drivetrain go kart, a reaction time training robot, and a table tennis robot

Skills:

- Fusion 360, Solidworks CSWA certified,
- Rapid prototyping processes (3d printing, laser cutting, Arduino, etc.)
- Machining experience (CNC mill, manual mill, lathe)
- Python, Arduino, C
- Circuit Design (PCB design, wiring, soldering)