
Jacobi Gunsalus

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EDUCATION

University of California, Los Angeles

Expected Graduation Date: June 2023

Mechanical Engineering B.S. Degree

- Technical Breadth in Technology Management, Minor in Public Affairs
- Relevant Coursework: Computer Science I, Linear Algebra, Differential Equations, Thermodynamics, Fluid Mechanics, Statics and Strength of Materials, Dynamics, Materials Science, Intro to Electrical Engineering

EXPERIENCE

Cyan Robotics (Coco Delivery) - Santa Monica, CA

Mechanical Engineering Intern

February 2021-Present

- Create designs [Solidworks] of system and subparts for a team of 5.
- Develop and test mechanical and electrical components of the CocoBot.
- Maintain existing robots, improve on previous designs, assemble new robots, and utilize CAD and 3D printing to design and mass-manufacture smaller components in-house.

3D4E at UCLA - Westwood, CA

Vice President

April 2021-Present

- Oversee the execution of six projects ranging from technical to artistic and serve as a technical advisor/project lead when necessary.
- Appoint project leads and board members (Projects include RC Car, Flight, Biomedical, Hydroponics, Musical Instruments, and Architecture).
- Liaison between the university and its colleges, industry, and other UCLA clubs.
- Support the technical instructors with workshop planning, outreach, and technical advice/instruction.

Combat Robotics at ASME UCLA - Westwood, CA

Combat Robotics Technical Lead

April 2021-Present

- Oversee the design & manufacturing process for all 3lb battlebot teams and serve as a technical advisor.
- Handle budgeting and sponsorships of the 5-10 teams and organize the Combat Robotics Tournament.

Flagship Team Member

June 2020-March 2021

- Designed and implemented the electronic and drive train systems [Solidworks] for the 15lb flagship "Dorime Ameno" robot, focusing on the battery and wheels system.
- Recorded and monitored prices for subparts and systems to ensure the robot stayed under budget.

Campinteria at LinkedIn - Carpinteria, CA

Camp Counselor and Instructor

July 2019

- Worked alongside Campinteria instructors in helping attendees set up LinkedIn and GitHub profiles.
- Taught programming and basics of web development and design using Javascript, HTML, and CSS, and the process of publishing their websites via GitHub.

SKILLS

- MATLAB, Solidworks, Blender, 3D printing, machining
- C++, Python, HTML, CSS, Javascript
- Technical writing, policy writing, event management, communications
- Korean, Spanish