

# Jerome T. Lam

Undergraduate 4th Year Electrical Engineer

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## Summary

I am a UCSD undergraduate who is passionate about machine learning and embedded systems. Through competing in hackathons, I know how to learn and adapt to new technologies and rapidly changing work environments. Acting as the UCSD Circle K Technology Chair, enables me to work well in teams and alone.

## Experience

### UCSD Circle K Technology Chair | [ucsdcirclek.com](https://ucsdcirclek.com)

March 2019 - Present

Required to lead a student team to maintain the UCSD Circle K website.

-**Recreated** website entirely using modern technologies, Docker | ReactJS | Firebase to reduce the learning curve for future Technology Chairs and increase overall adaptability

-Currently **manage** the largest technology team of over 20 UCSD students composed of programmers and UI designers focused on significant website improvement

-Implemented reward system where after one quarter of web development members can continue web development, teach incoming students, and/or participate in a hackathon team

## Projects

### Discord Priority Bot | [devpost.com/dis-prio-bot](https://devpost.com/dis-prio-bot) | BoilerMake VII

January 14 - January 24, 2021

Created language recognition bot that separates Discord messages into different channels based on urgency

### Covibes | [devpost.com/antibodied](https://devpost.com/antibodied) | RU Hacks

Apr 30 - May 2, 2021

Responsible for coding front-end of the website including the Google MAPs API and implementing the MERN build

### HackeRam | [devpost.com/sergogram](https://devpost.com/sergogram) | HackeRam

October 8 - October 10, 2021

Created an openCV machine learning sentiment bot that scans messages from messaging platforms and adds appropriate emoticons on command.

### Line Following Robot | UCSD ECE Course

Hardware | Project

Designed the stable chassis and minimal error input setup for a Line Following Robot built around IR sensors, Arduino, and servos

## Skills

-HTML/CSS, Javascript, Python

-ReactJS, Stripe API, Google Maps API, Figma, Firebase, Node.js, Git, Docker

-Public Speaking, SCRUM, Conflict Resolution, Product Development

## Education

### UCSD, San Diego, CA

Undergraduate 4th Year

September 2018 - June 2022

Currently pursuing a bachelor's degree in Electrical Engineering focused on the Machine Learning depth.

## Relevant Coursework

-Linear Control System Theory  
-Linear System Fundamentals  
-Linear and Nonlinear Optimization  
-Engineering Probability and Statistics  
-Electricity and Magnetism  
-Waves, Optics, and Modern Physics  
-Relativity and Quantum Physics

-Product Marketing and Management  
-Business Project Management