

# Darren Lin

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## EDUCATION

### University of California, Santa Cruz

Oct 2020 - Jun 2024

BS Computer Engineering      GPA: 3.83

Santa Cruz, CA

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## WORK EXPERIENCE

### Cloudmind Technology Inc.

Sept 2021 - Present

Robotics Technology Research Intern

Santa Clara, CA

- Researching the usage of Robotic Operating Systems (ROS) with AI/ML

### UCSC Computer Science and Engineering Dept

Mar 2021 - Present

Group Tutor - Computer Systems and Assembly Language

Santa Cruz, CA

- Guided students through fundamental topics in the course
- Helped students debug their code/circuits in one on one zoom sessions
- Answered questions on the course's discussion posts on Piazza

### Kumon Math and Reading Center

Aug 2018 - Jul 2021

Reading and Writing Tutor

San Jose, CA

- Focused on helping students develop reading and writing skills
  - Responsible for teaching students varying in grade level (K-12th)
  - Graded student's work and explained mistakes and grammatical errors
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## SKILLS

- Programming Languages: MIPS Assembly, Java, Python, C++, C
  - Tools: Eclipse, MARS, Xcode, VSC, Java Swing Library, Git, WSL
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## PROJECTS

### BlackJack Game with GUI

Tools Used: Eclipse, Java Swing Library

- Playable BlackJack game against a computer
- Developed algorithms for betting, standing and hitting
- Designed a user-friendly graphical user interface with buttons

### Bracket Syntax Checker

Tools Used: MARS, MIPS Assembly

- Read in strings from text files and stored all open braces, brackets, and parentheses on the stack
- Determined if all characters on the stack had a matching closing brace, bracket, or parenthesis in the text file

### Html & CSS Website (Hosted on Github)

Tools Used: Git, Html, CSS

- A personal website to display my resume and projects hosted on Github Pages
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## EXTRACURRICULAR ACHIEVEMENTS

Eagle Scout

Apr 2019