

## Darren Lin

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### EDUCATION

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**University of California, Santa Cruz**

**Santa Cruz, CA**

*Bachelor of Science: Computer Engineering | GPA: 3.8*

*Graduation Date: June 2024*

**Relevant Coursework:** Data Structures and Algorithms, Assembly, C/C++ Programming, Programming Abstractions, Discrete Mathematics, Linear Algebra, Multivariable Calculus

### WORK EXPERIENCE

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**UCSC Computer Science & Engineering Department**

March 2021 - Present

*Course Reader | Applied Discrete Mathematics*

*Santa Cruz, CA*

- Graded assignments on Canvas and Gradescope for 300+ students

*Group Tutor | Computer Systems and Assembly Language*

- Helped 250+ students debug their code/circuits in one on one zoom sessions 5 days a week
- Answered questions on the course's discussion posts on Piazza
- Tutored for Spring 2021 and Fall 2021.

**Cloudmind Technology Inc.**

September 2021 - December 2021

*Robotics Technology Research Intern*

*Santa Clara, CA*

- Researched the usage of Robotic Operating Systems (ROS) with AI/ML
- Wrote a thesis on how Computer Vision and ROS are helping employees complete fundamental tasks

**Kumon Math & Reading Center**

August 2018 - July 2021

*Reading & Writing Tutor*

*San Jose, CA*

- Taught 30+ K-12 students by improving their reading and writing skills every Wednesday and Saturday for 4 hours
- Graded 100+ student's work and explained mistakes and grammatical errors

### PROJECTS

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**BlackJack Game with GUI**

- BlackJack game against a computer, with betting, standing, and hitting implemented using action listener buttons on an easy to use graphical user interface

**Bracket Syntax Checker**

- Determined if each open brace, bracket, and parenthesis had a corresponding closing brace, bracket, or parenthesis in a given text file

**Big Integer Solver**

- Implemented Big Integer addition, subtraction, and multiplication using Doubly Linked Lists

### HONORS & AWARDS

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**Eagle Scout**

April 2019

### SKILLS

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- Programming Languages: MIPS Assembly, Java, Python, C++, C
- Tools: MARS, VSC, Git, WSL, make