

# Dylan Jiasen Liu

Sharon, MA | dylanjliu11@gmail.com | <https://dylanliu.net>

## EDUCATION

---

**University of California Irvine**

Irvine, CA

B.S. Candidate in Computer Science | GPA: 4.0 | *Dean's Honors List*

Exp. Graduation 2028

## WORK/LEADERSHIP EXPERIENCE

---

**ICS 6B**

Irvine, CA

*Learning Assistant*

Fall 2025

- Assisted in boolean logic lectures for over 300 students
- Demonstrated mastery over boolean logic and discrete structures
- Hosted 21 total private review sessions and explained key boolean logic concepts
- Guaranteed fairness on written exams

## EXTRACURRICULARS

---

**Irvine Hacks**

Irvine, CA

*Fullstack Engineer/Participant*

January 2025

- Collaborated with 3 other contestants to create the *Speed Streets* party game
- Managed GitHub repository and reviewed pull requests
- Handled socket connections with Socket.io and Express.js, as well as worked on React front end with a Vite framework
- Handled RESTful API requests to OpenStreetMaps with Overpass QL

## PROJECTS

---

**React Arena**

Winter 2025

- Independently created a competitive real time multiplayer party game where you play as a react component
- Developed both frontend and backend using Vite framework and libraries such as Express, Socket.io and more

**Chopsticks Solver**

Fall 2024

- Implements an interactive user interface made with React allowing Chopsticks gameplay with an algorithm I developed
- Used several advanced techniques like minimax search, alpha-beta pruning and memoization to strategically and efficiently find the best possible moves

**Cat vs Dog Image Classification Model**

Fall 2024

- Created CNN model trained on 25,000 images to visually differentiate cats and dogs in a variety of scenarios using Tensorflow.
- Strategically developed model architecture to classify images with 98% accuracy

**Dictation Generator**

Spring 2024

- Independently created a static website using raw JavaScript, HTML and CSS
- Employs a generative algorithm developed to create musical dictation problems similar to those on an AP exam

## SKILLS

---

**Programming:** Python, Java, JavaScript/HTML/CSS, TypeScript, SQL, RESTful APIs

**Software:** React, Tensorflow, Node.js, Socket.io, Express, Git