

# Daryl Ho

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## EDUCATION

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### Santa Clara University

*B.S. & M.S. Computer Science and Engineering*

September 2021 - Present

*Current GPA: 3.8/4.0*

## COURSEWORK

**Courses:** Software Engineering, Data Structures and Algorithms, Object-Oriented Programming, Embedded Systems, Logic Design, Artificial Intelligence, Machine Learning, Differential Equations, Linear Algebra, Computer Networks, Computer Architecture, Operating Systems, Discrete Math, Web Development

## SKILLS

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**Languages:** C/C++/C#, Python, Java, JavaScript/TypeScript, HTML/CSS

**Tools:** Git/GitHub, VS Code, Unity

## PROJECTS

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### **Tripsitter** | *Flutter, Node.js, APIs (Amadeus, TicketMaster, Google Maps, Google Calendar, YELP, Stripe)* Mar. 2024

- Team project for a software engineering class that allows for more effective collaboration in trip planning.
- Created a Flutter app that allows users to select flights, hotels, restaurants, rental cars, and activities to plan for.

### **Sigma Scholar** | *React, Tailwind CSS, LlamaIndex, Git, VS Code* Feb. 2024

- Team project for Hack for Humanity 2024 Hackathon aimed at making scholarships/counseling widely accessible.
- Used Next.js to create a polished website that allows filtering and sorting scholarships by essential parameters.
- Utilized LlamaIndex to train an AI web scraper and an AI counselor that answers scholarship questions.

### **FuelFocus** | *React, Flask, APIs (INRIX, Google Maps), Git, VS Code* Nov. 2023

- Team project for the INRIX Hack 2023 Hackathon aimed at promoting environmentally conscious driving.
- Created a website that gives the user fuel-optimized routes by utilizing INRIX's Routing and Fuel Stations APIs.
- Learned how to use React.js and connect it with backend databases and APIs.

## ACHIEVEMENTS

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**ICPC Pacific Northwest Region 2023** | *3rd Place, D2* Feb. 2024

**Hack for Humanity 2024** | *2nd Place* Feb. 2024

**Meta Hacker Cup 2023** | *Round 2* Oct. 2023

## EXPERIENCE

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### **SCU ACM Competitive Programming Club** | *President* Feb. 2024 – Present

- Planned for coding competitions and club meetings.
- Created over 30 slide decks that lecture through different data structures and algorithms.
- Crafted many problems for club-hosted coding competitions.

### **Algorithms Research** | *Research Assistant* Jun. 2024 – Present

- Developing an algorithm visualizer designed for debugging and education.
- Specializes in intuitive visualization and representation of data structures.