

# James Molamphy

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## EDUCATION

**University of California, Irvine**  
*B.S. Computer Science*

**Irvine, CA**  
*June 2022*

## SKILLS

**Languages:** Python, C++, C#, Java

**Technologies:** Figma, Adobe XD, Git, MySQL, Unity

## RELEVANT PROJECTS

### Commit the Change

**Irvine, CA**

*UI/UX Designer*

*October 2021 - Present*

- Conducted competitive analysis and research to inform pain points, design decisions, and overall strategy.
- Utilized Figma to produce user flows, desktop and mobile wireframes, and prototypes based on requirements.
- Hosted usability-testing sessions after each iteration to diagnose and solve issues, improving user satisfaction.
- Collaborated with my 5 team members through biweekly scrum design sprints and weekly review meetings.

### Adversarial Machine Learning

**Irvine, CA**

*Machine Learning Engineer*

*January 2022 - March 2022*

- Implemented a defense against adversarial attacks for a classification model of CIFAR-10 color images.
- Utilized adversarial training, input transformation, and attack detection techniques to improve our predictions.
- Optimized attack detection, raising perturbed image accuracy by 36% without impacting clean accuracy.

### Search Engine System

**Irvine, CA**

*Software Engineer*

*April 2021 - June 2021*

- Led a team in the ground-up development of a Python search engine utilizing a web crawler and indexer.
- Exercised best-practices to handle tens of thousands of documents or pages with response time under 300ms.

### Checkers AI

**Irvine, CA**

*Software Engineer*

*October 2020 - December 2020*

- Coordinated the development of a Checkers AI in Python based on MCTS and deep neural network.
- Improved AI win rate through optimizing to emphasize mid-late game rounds that involved piece captures.

## WORK EXPERIENCE

### Amazon Fulfillment Center

**Stockton, CA**

*Inbound/Outbound PIT Operator*

*June 2020 - August 2020*

- Operated powered industrial trucks (PIT) to store inbound inventory and retrieve orders for shipment.
- Dispatched and organized inventory in a timely manner, ensuring products were stored safely and organized.

## LEADERSHIP EXPERIENCE

### Change Thru Games Committee

**Irvine, CA**

*Director*

*March 2020 - November 2021*

- Spearheaded the first virtual Change Thru Games event in May 2020; secured over \$1100 for CDP Covid-19 Response Fund, over \$1400 for The Breast Cancer Fundraiser, and over \$2100 for Feeding America.
- Orchestrated event planning, facilitated weekly meetings, and maintained pace with our event timeline.
- Led outreach efforts to enhance community and company relations, resulting in an increase of over 68% in our unique Twitch viewer count, over \$400 in company sponsorships, and over 50% of total proceeds raised.

## INTERESTS

**Interests:** User Experience, Machine Learning, Software Development, Data Science, Accessibility, Philanthropy