James **Molamphy**

✉ jmolamph@uci.edu | ⌂ jamesmolamphy.com | in www.linkedin.com/in/james-molamphy/

EDUCATION

University of California, Irvine   *Irvine, CA*
B.S., Computer Science   *September 2018 - June 2022*

San Joaquin Delta College   *Stockton, CA*
A.A., Arts and Humanities | A.A., Teacher Education Preparation | Cum Laude   *August 2014 - May 2018*

WORK EXPERIENCE

Sun West Mortgage Company, Inc.   *(Remote) Irvine, CA*
Software Engineer   *October 2022 - Present*
- **Related skills:** Java, JavaServer Pages (JSP), JavaScript, HTML, Git
- Developed & maintained responsive web applications using Java, JSP, JavaScript, and HTML.
- Facilitated communications and usability tests with business experts to gather requirements, develop solutions, and troubleshoot issues.
- Wrote detailed design documentation and test plans to outline the business need and code design, as well as ensure tasks are tested thoroughly

Commit the Change   *Irvine, CA*
UI/UX Designer & Researcher   *October 2021 - March 2022*
- Conducted competitive analysis and research alongside 5 designers to define user pain points and needs, as well as brainstorm solutions.
- Utilized Figma to produce desktop and mobile wireframes, and prototype pages based on business requirements and client feedback.
- Hosted usability-testing sessions after each design iteration to diagnose and solve issues with our solution, improving overall user satisfaction.

PROJECT EXPERIENCE

Online Server Storage Project   *Irvine, CA*
Software Engineer   *May 2022 - June 2022*
- Engineered an application in C that allows users to simultaneously download from and upload files to a TCP socket storage cloud server.
- Ensured that files were synchronized amongst all users, which involved locking any file that is currently being edited until the user closes it.

Adversarial Machine Learning Project   *Irvine, CA*
Machine Learning Engineer   *January 2022 - March 2022*
- Implemented a Python defense system against adversarial attacks for a classification model of CIFAR-10 color images.
- Utilized adversarial training, input transformation, and attack detection techniques to improve defense model's predictions.
- Optimized the effectiveness of attack detection, raising perturbed image accuracy by 36% without impacting clean accuracy.

Search Engine System Project   *Irvine, CA*
Software Engineer   *April 2021 - June 2021*
- Led a team in ground-up development of a Python search engine that utilized a web crawler and indexer.
- Exercised best-practices such as inverted index to handle tens of thousands of documents or pages with response time under 300ms.

LEADERSHIP EXPERIENCE

Change Thru Games, Circle K International, UC Irvine   *Irvine, CA*
Event Director   *March 2020 - November 2021*
- Spearheaded the first virtual Change Thru Games; secured $1100+ for CDP Covid-19 Response Fund in May 2020, $1400+ for The Breast Cancer Fundraiser in January 2021, and $2100+ for Feeding America in November 2021.
- Revamped committee structure and reorganized responsibilities to have a more defined focus, improving team satisfaction and efficiency.
- Led outreach efforts to enhance community and company relations, resulting in an increase of over 68% in unique Twitch viewer count, $400+ in company sponsorships, and over 50% of total proceeds raised.

SKILLS

Technologies   Git, Figma, Unity, MySQL
Languages   Java, JavaScript, Python, C++, C#, SQL
Soft Skills   Project Management, Usability Testing, UX Research, Event Management

ADDITIONAL INFORMATION

Awards   UC Irvine Circle K Hall of Fame (May 2022), Best Game Hack at Rose Hack (Jan 2022)
Interests   User Experience, Game Development, Video Editing, Philanthropy