MOLLY MACLAREN

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EDUCATION

University of California San Diego *Sept 2021 - Present*
B.S. Computer Engineering 3.5/4.0

- Past coursework: Advanced Data Structures, Systems Programming, Algorithm Design, Software Engineering, Intro to AI, Discrete Math, Engineering Statistics, Analog Design, Circuits and Systems, Signal Analysis, Managing Diverse Teams, Intro to CS Research
- Current coursework (complete by December 2023): CS Theory, Programming Languages, Operating Systems, Research Methods for User-Centered Programming Language Design

EXPERIENCE

Programming Languages Research Assistant *June 2023 - Present*
Kale Research Lab

- Analyzed 6000+ repository commits to parse error messages and timestamps.
- Categorized 11,000 diagnostic messages into 1900 distinct resolution sessions to analyze the frequency and time taken to resolve different errors.
- Wrote Results and Analysis sections in a paper for HATRA 2023 and presented at UCSD's Summer Research Conference.
- Currently working on a telemetry system to automatically log error messages for a VSCode extension.

Security Research Assistant *Sept 2022 - August 2023*
Ujima Security and Privacy Research Lab

- Wrote and executed a research proposal to study privacy perspectives of users of VR and virtual environments.
- Designed vignette-style survey questions based on weaknesses discovered in privacy policies.
- Wrote a script to gather contents of 30,000+ Reddit posts and comments for NLP analysis.
- Presented a poster at the JSOE Undergraduate Research Symposium and wrote a paper and presented in WIPS, a workshop in SOUPS 2023.

Cyber Competition Committee *April 2022 - Present*
ACM at UC San Diego

- Organized teams for capture the flag (CTF) competitions for new members to practice skills in cyber security.
- Competed in CTFs such as NCL, CSAW, and CCIC.
- Interested in Forensics, Cryptography, and Reverse Engineering.
- Designed challenges for SDCTF in May 2023.

TECHNICAL SKILLS

Languages	Java, Python, C, C++, TypeScript, JavaScript, Rust, ARM Assembly
Tools	Git, UNIX, SQLite