

Lindsey Rappaport

760-705-7710 • lindseyrappaport03@gmail.com • www.linkedin.com/in/lindsey-rappaport *References available upon request

EDUCATION

University of California, San Diego – San Diego, CA September 2023 – Present
Bachelor of Science in Computer Science (In Progress)

Palomar College – San Marcos, CA August 2020 – May 2023
Associate in Science for Transfer in Mathematics
Dean's List Fall 2020, Spring 2021, Spring 2022, Fall 2022, Spring 2023

WORK EXPERIENCE

Lawrence Berkeley National Laboratory, Berkeley, CA August 2021 – Present
Student Researcher

- Hired on an ongoing part-time basis to advance the metabolic pathway visualization project as described below.

Research Intern June 2021 – August 2021

- Developed Java tooling to help automate creation of interactive 2D graphical assets used for biological research ("metabolic pathway maps"). Using this tooling, combined with manual graphic design, I successfully delivered 500+ metabolic pathway map assets to be used by biological researchers worldwide.
- Contributed to native JS web application to help researchers filter and identify the pathway maps that are most relevant to their data.
- Collaborated on the above with others using Git for version control.

MCT Trading, San Diego, CA June 2023 – August 2023
Software Test Intern

- Performed quality assurance testing on MCT's mortgage product pricing engine. Identified a variety of bugs/unexpected behavior.

Self-Employed, San Diego, CA September 2018 – Present
Educational Tutor

- Currently tutoring 3 students in mathematics (various levels) and other subjects upon request.

Downtown Academics, San Marcos, CA October 2019 – May 2020
Educational Tutor

- Tutored students in grades K-12 in multiple subjects and consulted with parents to teach best practices.

PROJECT LEADERSHIP

Co-Project Leader, Developer Journal Application, UCSD CSE 110 Spring 2024: <https://github.com/cse110-sp24-group12/cse110-sp24-group12>

Co-led a team of 12 in an Agile environment to develop a developer journal application enabling task tracking, progress visualization, and project organization for developers. Managed task assignments, repository updates, and code reviews. Wrote user stories, ADRs, CI/CD materials, and E2E tests; filmed/edited project videos and co-presented the final pitch.

TECHNICAL SKILLS

- Languages: C (proficient), Java (proficient), Python (beginner), ARM Assembly (beginner), C++ (intermediate), JavaScript (intermediate), HTML (intermediate), CSS (intermediate)
- Programming Tools: Xcode, BlueJ, Replit, Visual Studio Code, Git/GitHub
- Comfortable programming in a Unix/Linux environment
- Microsoft Office: Word, Excel, PowerPoint
- Adobe: Lightroom, Photoshop

PRESENTATIONS/CONFERENCES

- Lindsey Rappaport**, Bishoy Kamel, Serge Dusheyko, Igor Shabalov, Igor Grigoriev. Enabling Metabolic Pathways Analysis through Multi-Omics Integration. DOE Joint Genome Institute Genomics of Energy & Environment Meeting 2022. (Poster Presentation)
- Lindsey Rappaport**, Bishoy Kamel, Igor Grigoriev. Enabling Metabolic Pathways Analysis through Multi-Omics Integration. WD&E Intern Poster Session 2021. (Poster Presentation)

EXTRACURRICULAR ACTIVITIES

STEM Core Program, Palomar College August 2020 – May 2021

- Attended professional development workshops, STEM activities, and Women in STEM
- Completed 8-week employer summer series. Certification received December 2020

HOBBIES, PERSONAL INTERESTS, AND SKILLS

- Music (published singer/songwriter, composer, guitarist, pianist, ukulele player), brain teaser puzzles, mental health advocacy, graphic design, social media consulting, public speaking, creative problem-solving.