

Marilyn Joyce Yu

(224) 656-4314 | marilyny@berkeley.edu | <https://www.linkedin.com/in/marilyny/>

EDUCATION

University of California, Berkeley | Berkeley, California

B.S. Computer Science

December 2024

PROFESSIONAL EXPERIENCE

Meta | Software Engineering Intern

New York, New York | May 2024 – August 2024

- Bloks server team (infra): built internal tool allowing devs to write & render bloks code in Bento & in mobile bloks shell
- Project extension: built compiler visualizer helping bloks devs visualize intern compiler optimization passes

Atlassian | Software Engineering Intern

San Francisco, California | May 2023 – August 2023

- Optimized feature rollouts by 120% by integrating a LaunchDarkly feature flagging client into Bitbucket’s billing system.

AbbVie | Data Science Intern

San Francisco, California | May 2022 – August 2022

- Ramped up efficiency of trial data transfers via VBS macros, enabling Vision Tracker database to quickly transfer trial data to Monthly Enrollment excel spreadsheet.

Square | Business Strategy Consultant

San Francisco, California | August 2021 – December 2021

- Expanded Square’s payment terminal to 50,000 Allied Health practitioners by interviewing and collecting online responses to target frustrations with payment systems and practice management software.
- Performed competitive analysis on the online payments marketplace and curated potential partnerships with practice management software companies, proposed cutting-edge payment features and partnerships to Square’s development team.

PROJECTS

Path Tracer

January 2024 – March 2024

- Created a physically-based renderer that utilizes path tracing. The renderer renders complex images using ray-triangle and ray-sphere intersections, BVH, direct and global illumination, illumination using up to n bounces of light, and adaptive sampling.

Cursed Calls

January 2023 – May 2023

- Modeled the PnL of RenTech’s Apple calls by extrapolating quarterly data and simulating covered call strategies to determine how far out of the money is ideal.

EXTRACURRICULARS

Capital Investments at Berkeley | Quantitative Analyst

Berkeley, California | January 2023 – Present

Valley Consulting Group | Sourcing Manager

Berkeley, California | August 2021 – Present

Film Acting

Berkeley, California | December 2021 – Present

- Training at Berkeley Repertory Theatre, current/upcoming films: Growing Down (2024), Side Conversations (2023), A Good Lie (2022).

SKILLS AND INTERESTS

Skills: Java, Hack, C, Python, C++, React, PHP, R, Backend Development

Outside Interests: Film Acting, Music, Brawl Stars