

Matan Kotler-Berkowitz

matankb.github.io
mkotlerb@u.rochester.edu

17 Albemarle Road · Waltham, MA 02452
(617) 608-7993

EDUCATION

University of Rochester - *B.S. Computer Science, B.A. Political Science* Expected May 2025

- 3.9 GPA; Dean's List all eligible semesters

EXPERIENCE

Horizon Research Lab (University of Rochester) - *Research Assistant* Spring 2022 - Present

- Engineered an interactive virtual reality viewer for Resurrect3D, a browser-based modeler.
- Integrated a raytracing-based neighbor-search algorithm into Triforce, a physics simulation engine, collaborating with full-time researchers and PhD candidates.

JusticeText - *Full-Stack Software Engineering Intern* Summer 2022

- Spearheaded widely-used features for the JusticeText platform, an evidence-management software for public defenders, including scalable transcript reindexing and backups, streamlined notifications, and user payment history.

Freelance Software Development & Consulting January 2018 - Present

- Designed and developed modern, responsive websites for clients including Family Law Software, Gann Academy, and the Association for the Scientific Study of Jewry.
- Engineered custom software solutions including a transfer student orientation platform, medical form generation, government data scraping, and automated calendar creation.

Red Hat - *Software Engineering Intern* Summer 2020 & Summer 2021

- Prototyped and implemented key features for ChRIS, a medical technology application, and Mass Open Cloud Curator, a public cloud computing platform, in collaboration with a team of researchers, developers, and designers.
- Engineered features including a graphical interface to simplify data processing pipelines, browser-based viewers for medical data files, and server usage visualizations.

PROJECTS

MyGann+ ([link](#)) - A browser extension that adds over thirty new features to Gann Academy's learning management system, used by over 90% of students and numerous faculty and administrators.

Mock Trial Rules of Evidence ([link](#)) - Rewrote mobile application in SwiftUI, added features including content-aware search and dynamically updated information.

LEADERSHIP EXPERIENCE

University of Rochester Mock Trial Tournament Director - Organized 250+ person tournament, managing dozens of team members and volunteers.

JCDS Boston - Designed and taught a middle-school elective programming course

TECHNICAL SKILLS

HTML, CSS, JavaScript, TypeScript, ReactJS, React Native, NodeJS, MongoDB, Java, Git