Matan Kotler-Berkowitz

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EDUCATION

University of Rochester   **Rochester, NY**
Bachelor of Science, Computer Science. Bachelor of Arts, Political Science   *May 2025*
- GPA 3.94 out of 4.00. Dean's List all eligible semesters.
- Workshop Leader, Data Structures and Algorithms. Teaching Assistant, Political Science.
- Research Assistant, Computational Social Choice Theory.
- Vice President and Captain, University of Rochester Mock Trial.

EXPERIENCE

CommonLit   **Washington, DC**
Software Engineering Intern   *May 2023 – August 2023*
- Implemented security requirements to comply with the SOC-2 audit, including integrating OAuth into the organization-wide admin dashboard and location- and role-based controls on data access.
- Fixed security vulnerabilities leaking sensitive educational information.
- Designed and implemented application-wide automated accessibility testing.

Horizon Research Lab at the University of Rochester   **Rochester, NY**
Research Assistant   *January 2022 – May 2023*
- Engineered an interactive virtual reality viewer for Resurrect3D, a browser-based modeler.
- Integrated and extended a raytracing-based neighbor-search algorithm with Triforce, a physics simulation engine.

JusticeText   **Boston, MA**
Software Engineering Intern   *May 2022 – August 2022*
- Engineered highly-requested features and bug fixes for the JusticeText platform, an evidence-management software for public defenders, including scalable search reindexing, edit history and backups, streamlined notifications, and user payment history.

Red Hat   **Boston, MA**
Software Engineering Intern   *May 2021 – August 2021*
- Implemented key features for ChRIS, a medical technology application, and Mass Open Cloud Curator, a public cloud computing platform, including a graphical interface to simplify data processing pipelines, browser-based viewers for medical data files, and server usage visualizations.

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 for clients including Temple Beth Shalom and the Riverside Lactation Center, including a transfer student orientation platform, medical form generation, government data scraping, and automated calendar creation.

PROJECTS

- **Mock Trial Timekeeper** React Native mobile application with over 1,700 users, which simplifies and automates a core part of collegiate mock trial tournaments.
- **Mock Trial Rules of Evidence** SwiftUI mobile application with over 900 users, with features including content-aware search and dynamically updated information.
- **MyGann+** 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.
- **Unicycle** Worked with a four-person development team to create a campus-based e-commerce web application with over 75 users.

TECHNICAL SKILLS

HTML, CSS, JavaScript, TypeScript, ReactJS, React Native, NodeJS, Java, Ruby on Rails, PostgreSQL