

# Benjamin Ross

Berkeley, CA

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## EDUCATION

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### University of California, Berkeley

Expected May 2027

*B.A. Applied Mathematics, Data Science*

*GPA: 3.54*

- **Coursework:** Multivariable Calculus, Linear Algebra, Discrete Mathematics, Real Analysis, Abstract Algebra, Data Science, Computer Science, Quantitative Microeconomics, Quantitative Finance

## WORK EXPERIENCE

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### Camp Ramah in Northern California

Summers 2024, 2025

*Lifeguard & Counselor*

*Watsonville, CA*

- Ensured safety for 80 children daily on a multilingual lifeguard team supervising swimming, surfing, and kayaking.
- Adhered to strict safety protocols and responded efficiently to injuries and emergency situations.
- Led daily programming for approximately 60 campers and facilitated group activities.
- Resolved interpersonal conflicts and supported a positive camp environment.

## EXTRACURRICULAR ACTIVITIES

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### Open Project

UC Berkeley

*Project Manager, Internals Vice President*

- Managed a team of 10 developers researching advanced algorithms and building technical solutions using Supabase and Figma.
- Received the Founder's Award for fostering collaboration and cultivating an inclusive development environment.

### Formula Electric at Berkeley

UC Berkeley

*Research Member*

- Analyzed AI research papers and models to improve comprehensive race-time simulations.
- Produced performance data using physics-based models to optimize electric vehicle design.

### Berkeley Hillel

UC Berkeley

*Schultz Fellow*

- Planned community events to increase Jewish engagement among Berkeley students.
- Organized peer-to-peer coffee chats welcoming incoming freshmen.

## VOLUNTEER EXPERIENCE

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### Golden Bear Orientation

UC Berkeley

*Orientation Leader*

- Guided and mentored a cohort of 40 incoming students.
- Led discussions on identity, belonging, and campus community.

### Dorothy Day House

Berkeley, CA

*Volunteer*

- Prepared breakfast weekly for approximately 120 unhoused community members.

## SKILLS

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**Programming:** Java, Python, SQL, R, C++, Scheme

**Tools:** Jupyter Notebook, Git, Supabase, Firebase, Figma, LaTeX, pandas, NumPy

**Technical:** Web Development, Databases, Data Analysis

**Other:** Peer Leadership, CPR Certification, Ocean Lifeguard Certification