Matthew Lee

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EDUCATION

UC BERKELEY
BA in Computer Science
BA in Data Science
May 2025 | Berkeley, CA
GPA: 4.0 / 4.0

COURSEWORK

CS61A: Computer Programs
CS61B: Data Structures
CS61C: Computer Architecture
CS70: Discrete Math & Probability
CS162: Operating Systems
CS164: Languages & Compilers
CS170: Algorithms & Intractability
CS186: Database Systems
CS189: Machine Learning
DATA8: Intro to Data Science
DATA100: Data Science
DATA104: Ethics of Data Science
EECS16A: Linear Algebra & Circuits
EECS16B: Diff. Equations & Control
EECS126: Random Processes
UGBA141: Operations Management
GLOBAL150Q: China & India

SKILLS

PROGRAMMING
React.js • Python • Java • Go • C++
Matlab • Ruby • C# • SQL • LaTeX

LANGUAGES
English (Native) • Chinese (Fluent)
Spanish (Elementary)

INTERESTS
Chess • Maps • Languages
Museums • Basketball • Reading

AWARDS

2023: Kleiner Perkins Fellow
2023: Accel Scholar
2022: ACM Upsilon Pi Epsilon (top third of CS majors)
2021: National Merit Scholarship
2021: Regents' and Chancellor's Scholarship (top 2% of class)
2021: Cal Alumni Association Leadership Award

PROFESSIONAL EXPERIENCE

UBER | KP Fellow + Software Engineering Intern
May 2023 - Aug 2023 | San Francisco, CA
- **Modernizing Chronos, a distributed service for timer scheduling** (1.5M per day) used by 100+ internal services, **using Go.**
- **Reduced dependencies on five depreciated services and legacy infrastructures** through test driven development of core business logic.
- **Strengthening reliability** with fault header propagation for Jaeger tracing and canaries with Cadence **to reduce error detection time from hours to minutes.**

FIGMA | KP Fellow + Software Engineering Intern
Jan 2023 – Apr 2023 | San Francisco, CA
- **Engineered a Figma Professional plan 14-day trial experiment** to test the effectiveness of guided feature education on free-to-paid team conversion rate **using React.js, Ruby, and C++** as part of a **nine member workflow.**
- Drove dogfooding and pull request feedback across **trial entry and onboarding UI**, as well as **modal state machine logic.**
- Investigated and proactively shippped **UX fixes around branding in locked team states and sidebar upsells.**
- Iterated on **product design decisions with cross-functional stakeholders** from an engineering perspective over trial experience states.

SPATIAL | Software Engineering Intern
May 2022 - Aug 2022 | San Francisco, CA
- Built the **metaverse for culture and collaboration with React.js, React Native, Typescript, Go, and Unity.**
- Designed and engineered **mobile/web push notification system** with **Firebase Cloud Messenger and Customer.io** to power marketing techniques for improving content discovery experiences and retention rates.
- Brainstormed designs, triaged user feedback, and implemented UI and functionality of **cinematic tour mode on mobile client app** that automatically facilitates digital artwork and NFT exploration within 3D spaces.

ACADEMIC EXPERIENCE

BERKELEY INSTITUTE OF DESIGN | HCI + ML Researcher
Jan 2023 - Present | Berkeley, CA
- Engineering a **novel editor for dictated text on mobile devices** with paragraph-level text manipulations supported by GPT-4 API and React.js. User study found support for diverse composition strategies. **Submitted to CHI '24.**
- Conducted an **iterative prompt prototyping study for chatbot design** and qualified the non-linear nature of resolving prompt issues. **Published at DIS '23.**

CAL HACKS | Executive Director
Sept 2021 - Present | Berkeley, CA
- **Running Berkeley's largest collegiate hackathon** drawing thousands of participants every year while **managing a six figure event budget.**