

Jeremy Baum

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EDUCATION

University of California, Los Angeles (UCLA) | B.A. Computer Science & Linguistics

Graduating Jun 2025

WORK EXPERIENCE

Microsoft | *Technical Program Manager Intern* Jun 2023 – present

- Orchestrated first-to-market AI-powered predictive carbon modeling feature for Microsoft Cloud for Sustainability, enabling businesses to understand the long-term impact and viability of sustainability decisions.
- Created 20+ scenarios to cover all regulatory greenhouse gas emissions and water categories, allowing customers to measure how potential operational changes can affect emissions and reduce costs at scale. Applied deep domain knowledge of carbon modeling, regulatory compliance, and LLMs to ensure the relevance, applicability, and accuracy of AI models.
- Architected feature and backing infrastructure (e.g. data ingestion, data lake ETL pipeline, carbon calculation models).
- Engaged with 4 enterprise customers (Fortune 100 companies) to gauge product pain points and build roadmap.

UCLA Institute of Technology, Law, and Policy | *Researcher* Mar 2023 – present

- Authoring academic research on AI/tech ethics topics (e.g. large language models, artificial general intelligence, privacy).
- Published articles (below) in Brookings, regarded as "perhaps America's most prestigious think-tank" by The Economist.
- Participated in 15-person, closed-door round table with Meta's content policy team, experts and United Nations representatives on misleading AI-generated content. Personally invited due to research publications.

Amazon (AWS) | *Product Manager Intern* Jun 2022 – Nov 2022

- Defined a strategic roadmap and specifications for a product 1600+ Customer Solutions Managers and select AWS strategic customers (e.g. JP Morgan, Volkswagen, Lyft) use to determine points of improvement in cloud infrastructure.
- Conducted user research on 22 subject matter experts, aligned 40+ principal/director level stakeholders within customer solutions, professional services, and product management on roadmap; created product goals for FY2023 planning.
- Completed design process in Figma, starting from user flow and ending with Hi-Fi UI/UX Models, which were implemented into a large-scale update for a cross-organization umbrella assessment tool used by 20,000 customers and employees.

Sterling Data Company | *Data Scientist* Jan 2021 – Apr 2022

- Created and trained a Machine Learning model (MonkeyLearn API) with 5,000 staff-written notes from fundraising calls to automatically tag identifying keywords onto future notations with a 94% accuracy, which saved 10 minutes/hour of call time. Sorted, filtered, and cleansed data in the process, ensuring that there were no false labels in the training data.
- Created a user interface for an internal donor database in JavaScript; made a program that used Twilio and other caller APIs to validate and check the validity of phone numbers for queued calls.
- Automated email and data entry tasks using Python and JavaScript, and Zapier to save about 3 hours per day.

Oracle Corporation | *User Developer Intern* Mar 2019 – Mar 2019

- Worked closely with product managers and user assistance developers to test new features and create/publish videos, for Oracle's Enterprise Performance Management Cloud software.
- Provided technical feedback to 6 user assistance developers to ensure the UI/UX is efficient and all educational material on the software is simple for clients such as FedEx, Dropbox, and LuluLemon.

PUBLICATIONS

How close are we to AI that surpasses human intelligence? in Brookings. Jul 18, 2023

The politics of AI: ChatGPT and political bias in Brookings. Article was cited by Wall Street Journal. May 8, 2023

PROJECTS

Writer | Unicorner: Hunting a new hot startup biweekly and writing a concise in-depth analysis on the business model, venture fundraising, founders, and room for growth; published in the newsletter for thousands of readers.

Engineer | Sike: Architected a scalable journaling mobile application that uses sentiment analysis to detect patterns in writing to provide tailored and gamified suggestions.

Founder | Rona Tutoring: Used design thinking/agile development methodology to create and manage a student-led initiative with 300+ tutors that provided free 1-on-1 tutoring to over 600 students (grades K-12) in academic subjects. Created and developed the website in CSS/HTML, designed and implemented a fully automated platform that assigns tutors and students in Python in order to promote scalable growth. Leveraged internal and end-user feedback for iterations, used Trello for project management.

SKILLS

Languages & Frameworks: C++, Python, Haskell, JavaScript, Java, HTML, CSS, React, React Native, AWS, Azure

Product & Design: Project Management, Design Thinking, Product Strategy, Roadmapping, Figma, Competitive Analysis

Hobbies & Interests: Hiking, Classical Violin, Cooking, Card/Board Games (Poker, Catan, etc.), Science & Technology Policy