Ethan J. Shang

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US Citizen

Education

University of California, Berkeley, Class of 2020, *cum laude,* GPA: 3.86, Computer Science GPA: 3.91

Major: Electrical Engineering & Computer Science, College of Engineering   **Minor**: Data Science

Employment and Work Experience

Microsoft | Product Manager

2021 - 2023   Launched Viva Insights data platform from zero-to-one to export M365 data with the first release supporting 180,000+ paid seats, contributing to a period of triple digit paid seat growth. Guided development and release of customers' and partners' custom solutions. Drove +22% growth in paid seats by leading privacy feature development to unblock customer privacy concerns.

Microsoft | Product Manager Intern

Summer 2020   Launched data quality features that reached 1.7 million users and opened top-of-funnel by 90,000 users through automatic analysis M365 behavioral metadata. Improved recommendations product-wide by highlighting groups of employees for leaders to take recommended actions on, increasing workplace productivity and wellbeing.

Microsoft | Software Engineer Intern

Summer 2019   Developed Office 365 features using Microsoft Azure cloud services to transform big data into enterprise- and personal-level productivity services with machine learning features; Delivered analytics for worker engagement and efficiency, reached 100+ million users

University of California, Berkeley | Department of Electrical Engineering and Computer Science

Spring20-Fall20   Head Student Instructor: managed 19-person course staff for Database Systems (650 students). Coordinated crisis management and transition to distance-learning during COVID-19.

Fall19   Student Instructor: salaried course staff for Database Systems (~750 students)

Lawrence Livermore National Laboratory | Software Engineering Intern

Summer 2018   Built data analytics tool to automate supercomputer performance analysis by integrating disparate data; created query language and parser via web-based dashboard

Summer 2017   Data mined the Department of Energy's vast network to improve threat detection and network security; Leadership role in building autonomous analytics from the ground up

Skills and Abilities

- **Big Data**: Data pipeline design, machine learning, Azure Data Factory, Azure Data Lake, Azure Key Vault, automation, data mining, data analysis via Pandas and NumPy
- **Leadership**: Stakeholder alignment, internal and external partner management, project management, data-driven visioning and feature prioritization, customer conversations, OKR / KPI definition, PRDs
- **Coursework**: UX/UI Design, Artificial Intelligence, Operating Systems, Database Systems, Data Structures, Efficient Algorithms, Principles of Data Science, Computer Architecture, iOS Development
- **Programming languages**: Java, Python, C, C#, C++ , Swift, Scala, Bash, SQL, Scheme

Accomplishments and Interests

- UC Berkeley Regents' and Chancellor's Scholarship — Top 3% of Berkeley students
- Member of Eta Kappa Nu — National Electrical Engineering and Computer Science Honor Society
- Outstanding Graduate Student Instructor, 2020
- Accel Scholar — industry-focused, highly-selective mentorship program hosted by VC Firm Accel
- Certificate — Entrepreneurship and Technology, U.C. Berkeley Sutardja Center
- Interests: scaling alpine mountains, volunteering for local soccer leagues, passionately debating about food