

Mohini Vembusubramanian

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EDUCATION

THE UNIVERSITY OF CHICAGO BOOTH SCHOOL OF BUSINESS

Chicago, IL

THE UNIVERSITY OF CHICAGO DEPARTMENT OF COMPUTER SCIENCE

Sep 2023 – Jun 2025

Master of Business Administration and Masters in Computer Science, Joint Degree Program

- Concentration in Operations Management; Coursework in Computer Security, Pricing Strategy, Distributed Systems
- Active Member of Chicago Women in Business Club, Booth Racquets Club, Booth Technology Group

UNIVERSITY OF CALIFORNIA, LOS ANGELES

Los Angeles, CA

Bachelor of Science in Statistics, Bachelor of Arts in Economics

Sep 2014 – Jun 2018

- Magna Cum Laude (GPA: 3.8); Dean's Honors List; Sharpe Fellow (awarded to top undergraduates pursuing a business career)
- Built desktop app that managed eye strain with screen usage and won Best Health at Hack Arizona 2018

EXPERIENCE

ALTO PHARMACY - full-service digital pharmacy offering same-day delivery (Series E)

San Francisco, CA

Senior Product Analyst

Sep 2022 – Jun 2023

- Wrote product roadmap by interviewing 10 pharmacists, analyzing arrival patterns, and synthesizing cross-functional feedback to automate prioritization of 50K daily processing tasks, saving \$1M / \$16M annual operational costs
- Prioritized features with PMs and designers, defined instrumentation with engineers, and built KPIs for MVP app flow for fertility patients, increasing app-usage from 0% to 60% and automation from 0% to 25% and reducing patient care costs by 67%
- Defined 4 performance management KPIs and developed data visualization tool for 150 frontline staff to track and optimize prescription processing, reducing prescription processing time by 44% and enabling 35% more patients to order same-day

Product Analyst IV

Oct 2021 – Sep 2022

- Specified analytics logic, segmented into 20 development tasks, and led sprints for 6 weeks for data scientist team to build data models used to identify product initiatives to consolidate medications into fewer shipments, improving delivery efficiency by 8%
- Spearheaded root cause analysis of unexpected 2x cost increase for largest business partner (20% of revenue) and discovered and resolved design flaw allowing for patient app misuse, stabilizing costs within 2 weeks and retaining the partner's business

Product Analyst III

Sep 2020 – Oct 2021

- Interviewed clinical specialists and conducted exploratory analyses to design and build a categorization algorithm to identify treatment patterns of patients, resulting in a more targeted sales strategy with partner clinics and 40% shipment growth
- Managed event registration and logistics and coordinated cross-functional participation for Alto's presence at DEI conferences such as Grace Hopper, Techqueria, and Blacks in Technology, garnering participation from 25% of the technology organization
- Received award from senior leadership amongst 20 nominees for embodying company cultural value of Patients Come First

ANALYSIS GROUP - economic consulting firm supporting litigation and health economics research

Los Angeles, CA

Senior Analyst

Jul 2020 – Sep 2020

- Aligned on case strategy with expert witness and client, proposed analysis design, and managed 3-Analyst case team on analysis execution, enabling hospitality client to validate financial benefit of \$1 million marketing program
- Led R training classes for ~20 newly hired Analysts and professional development seminars for 40+ Analysts, empowering teammates to take on more diverse casework

Analyst

Sep 2018 – Jun 2020

- Defined success metrics for economic and health outcomes and conducted statistical analyses to prove improved KPIs when the client's drug was used to prevent disease progression, supporting the client's FDA approval process (publication 1 below).
- Built patient identification algorithm, introduced an automated data visualization tool that other case teams adopted, and convinced client to continue R&D investment in developing a drug for patients with hemophilia A (publication 2 below)

ADDITIONAL

- **Technical Skills:** SQL, Python, Figma, R, HTML / CSS, SAS, Looker, dbt, Microsoft 365, Asana
- **Tennis:** President of UCLA's club tennis team with 150+ members, allocated +\$15,000 budget, coordinated National Semi-Finalist competitive team, and managed an officer team on club operations and growth; Captained USTA adult leagues in San Francisco, responsible for managing and coaching a team of 20+ players and coordinating match logistics
- **Personal Website:** <http://mohvem.github.io>; Learned HTML / CSS to design and build website detailing interests and projects
- **Publication:** The Impact of Progression on Healthcare Resource Utilization and Costs Among Patients with High-Grade Non-Muscle Invasive Bladder Cancer After Bacillus Calmette-Guérin Therapy: A Retrospective SEER-Medicare Analysis ([2020](#)).
- **Publication:** Health care costs and resource utilization among commercially insured adult patients with hemophilia A ([2022](#))