

MARÍA PAULA MORA

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EDUCATION

THE WHARTON SCHOOL, UNIVERSITY OF PENNSYLVANIA

Philadelphia, PA

Master of Business Administration Candidate; Major in Operations, Information and Decisions

2025-2027

Memberships: Technology Club, AI & Analytics Club (VP of Innovation), Women in Business Club, Latin American Student Association.

DARTMOUTH COLLEGE

Hanover, NH

Bachelor Of Arts (BA), Major in Computer Science Modified with Digital Art, Minor in Human-Centered Design

2018-2022

GPA and Awards: 3.96/4.0, Summa Cum Laude, Phi Beta Kappa.

Honors: 11 Citations for Academic Excellence, James O. Freedman Presidential Scholar, Rufus Choate Scholar, Sophomore Scholar.

Internships and Campus Jobs: UI/UX Designer, DALI Lab (2021-2022), Research Assistant, Computer (2020-2021) & Psychology (2019-2020) Departments, Teaching Assistant for Digital Animation, 3-D Digital Modeling, Intro to Computer Programming (2020-2022).

Technical Coursework: Software Design & Implementation, Foundations of Applied Computer Science, Artificial Intelligence, Object-Oriented Programming, Computer Graphics, AR/VR Design, 3-D Digital Modeling, Accelerated Computational.

EXPERIENCE

ITERATIVE HEALTH, PLATFORM TEAM

Cambridge, MA

Full Stack Software Engineer II

2024-2025

- Led migration of core platform from a third-party vendor to an in-house database by coordinating across engineering, data, and product teams; diminished annual vendor costs by ~\$50K, eliminated vendor lock-in, unlocking new product features and long-term scalability.
- Optimized patient record collection platform by redesigning backend data pipelines and collaborating with clinical operations teams; diminished average load times by 40% and enhanced patient onboarding speed, driving a 15% increase in clinical trial participation.
- Drove adoption of automated QA practices by partnering with QA engineers and product managers to define test strategy, procuring buy-in through stakeholder workshops and prioritization discussions; increased backend test coverage to 93% and frontend to 37%, improving reliability and reducing risk for customer-facing releases.
- Coordinated end-to-end delivery of 4 patient-record features by aligning clinical, engineering, and UX teams on requirements and organizing rollout with customer success, enabling smoother trial-site operations and supporting 70+ active clinical trials.

Backend Software Engineer I

2023-2024

- Developed observability dashboards with real-time alerts, partnering with site reliability and frontend engineers to integrate system into existing workflows; diminishing mean-time-to-resolution by 42%; boosting client confidence in system performance.
- Led cross-functional vendor evaluation of monitoring platforms, collaborating with engineering, finance, and DataOps to analyze scalability and cost; presented recommendations to senior leadership, leading to adoption of a new platform, delivering \$30K annual savings and supporting higher data volumes without added cost.
- Upgraded clinical video processing pipeline removing protected patient health information, coordinating with compliance officers and QA testers; reduced missed data by 90% and enhanced corrupted video detection by 30%, while ensuring failure recovery without manual intervention, facilitating HIPAA compliance for clinical trials.
- Designed 3 HIPAA and SOC 2 compliant databases for secure storage of both PHI (Protected Health Information) and non-PHI data, engaging with compliance, security, and legal stakeholders; ensured data integrity and patient privacy across clinical workflows.

FACEBOOK INC

Cambridge, MA

Software Engineer

2022

Software Engineer Intern

2021

- Launched a real-time analytics dashboard with 5+ interactive visualizations to give Connectivity Partner Impact leadership visibility into partner revenue trends; liaised with Product Managers and Partner Managers to define metrics and surfaced insights directly informing go-to-market strategy for internet partnerships, unlocking new revenue opportunities.
- Pioneered a C++ log upload system for WhatsApp iOS, working with platform engineers and Apple's technical review team; ensured compliance with iOS 15 requirements, securing uninterrupted app releases.
- Engaged in Facebook's Global Hackathon prototyping an Interactive Comic Book feature, producing a working MVP in under 72 hours demonstrating potential to increase community content creation by 20% based on internal testing.

ADDITIONAL INFORMATION

- **Languages:** Native Spanish and English; Basic knowledge of French.
- **Tech Skills:** Python, Java, C/C++, SQL, JavaScript, HTML, React, TypeScript, Terraform, CSS, Amazon Web Services, Docker, Git, Figma, Unity, Autodesk Maya, Houdini.
- **Volunteering:** ESL Teaching Volunteer at the Boston Public Library, Admissions Ambassador Program for Dartmouth College
- **Interests:** Painting, Drawing, Skiing, Baking, Reading, Digital Design, Animation, Travel, Board Games.