

# MARÍA PAULA MORA

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## EDUCATION

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**Dartmouth College**, Hanover, NH  
**Bachelor of Arts (BA)**

**Jun 2022**  
**GPA 3.96/4.0**

- Major: Computer Science Modified with Digital Arts, Minor: Human-Centered Design
- Honors: Summa Cum Laude, 11 Citations for Academic Excellence, Phi Beta Kappa

## SKILLS

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Computer Languages: Python, Java, C, C++, C#, Shell Programming, SQL, JavaScript, HTML, Objective-C, Swift, React, GraphQL, SQL, Terraform, Typescript and CSS  
Other Technical Strengths: Autodesk Maya, MNE analysis, Machine Learning, Virtual Reality, Unity, Figma, Xcode, Git, Twine, Jellyfish, Linux, SugarCube, Docker, Hasura, and Amazon Web Services (AWS)  
Languages: Spanish (Fluent), English (Fluent), and French (Proficient)

## WORK EXPERIENCE

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**Iterative Health.**, Cambridge, MA

**Full Stack Software Engineer II**

**Mar 2024 - Present**

- Transitioned to a new role building an in-house annotations system for high-quality labeling of colonoscopy videos.

**Backend Software Engineer I**

**Jan 2023 - Mar 2024**

- Deployed AWS services like Lambdas and Step Functions using Terraform to upgrade the video ingestion pipeline which achieved a 90% reduction in missed videos and increased the identification rate of corrupted videos by 30%, while ensuring complete failure recovery without manual intervention.
- Pioneered the implementation of CloudWatch Monitoring system, ensuring real-time system health monitoring across the pipeline and improving overall system visibility and performance.
- Designed databases for the secure storage of both PHI (Protected Health Information) and non-PHI data, prioritizing compliance with HIPAA and SOC 2 regulations for patient data privacy storage.

**Facebook Inc.**, Menlo Park, CA

**Software Engineer**

**Sep 2022 - Nov 2022**

- Worked with the Connectivity Partner Impact team in Front-end web portal development to increase partner revenue.
- Developed a responsive landing page with 5 real-time updated data visualization components using React and GraphQL.

**Software Engineer Intern**

**Jun 2021 - Sep 2021**

- Designed a new log upload system in C++ for WhatsApp iOS Mobile team, meeting Apple's requirements for iOS 15.

**DALI (Digital Applied Learning and Innovation) Lab**, Hanover, NH

**UI/UX Designer**

**Mar 2021 - Jun 2021**

- Developed a digital platform to teach Dartmouth's Full-Stack Web Development class, boosting student enrollment by 10x.

**Dartmouth College - Computer Science Department**, Hanover, NH

**James O. Freedman Presidential Scholar Research Assistant**

**Sep 2020 - Jun 2021**

- Developed a machine-learning algorithm achieving 93% fidelity in classifying unknown virtual microstructures.

**Dartmouth College - Psychology Department**, Hanover, NH

**Sep 2019 - Sep 2020**

**Sophomore Scholars Research Assistant**

- Studied the effects of a VR stimulus on the human brain using Unity3D and analyzed 300+ data sets from EEG studies using MATLAB for Machine Learning applications.

**Compartamos la Mesa**, San José, Costa Rica

**Co-Founder of Campaign**

**Apr 2016 - Jan 2022**

- Successfully introduced a bill to Costa Rican Congress to construct a non-profit route for food donation.
- Gathered the endorsement of over 10 congressmen including the country's vice president at the time, Ana Helena Chacón.

## ADDITIONAL INFORMATION

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Activities: Last Hope K9 Rescue Organization Volunteer Foster, Teaching English to adults  
Interest: Painting, Drawing, Skiing, Travel, Baking, Digital Design, Animation, Reading