

MARÍA PAULA MORA

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EDUCATION

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

Jun 2022

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

GPA 3.96/4.0

SKILLS

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, Linux, Docker, Hasura, and Amazon Web Services (AWS)

Languages: Fluent in Spanish and English (Fluent); Basic knowledge of French

WORK EXPERIENCE

Iterative Health., Cambridge, MA

Full Stack Software Engineer II

Mar 2024 - Current

- Contributing to the development of an in-house platform with two key functions: labeling colonoscopy videos to help identify polyps and automating the analysis of patient records to quickly find candidates for clinical trials.
- Currently working on an initiative to streamline the collection and analysis of patient records, which speeds up the creation of Clinical Study Reports and boosts recruitment for trials, increasing the number of participants.

Backend Software Engineer I

Jan 2023 - Mar 2024

- Helped improve the video ingestion pipeline by implementing AWS Lambdas and Step Functions via Terraform, resulting in a 90% reduction in missed video data and a 30% improvement in corrupted videos identification.
- Developed databases for storing sensitive patient information, ensuring compliance with privacy regulations.
- Independently created a monitoring system for the pipeline using CloudWatch, which included setting up metrics and alerts to notify the team of failures and developed an automated on-call calendar for efficient team management.

Facebook Inc.

Software Engineer, Cambridge, MA

Sep 2022 - Nov 2022

- Developed a responsive landing page with 5 real-time updated data visualization components for a front-end web portal aiming to enhance partner revenue insights for the Connectivity Partner Impact team.
- Along with other new-hires, the opportunity ended early due to Meta's struggling performance and large-scale layoffs.

Software Engineer Intern, Menlo Park, CA

Summer 2021

- Solely developed a C++ log upload system for WhatsApp iOS Platform team, meeting Apple's requirements for iOS 15 despite having minimal previous iOS experience.

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

UI/UX Designer

Sep 2021 - Jun 2022

- Designed a digital platform for Dartmouth's Full-Stack Web Development course, enhancing user experience and accessibility. This improvement eliminated a year-long waitlist and increased course enrollment by 10x.

Dartmouth College - Computer Science Department, Hanover, NH

James O. Freedman Presidential Scholar Research Assistant

Jul 2020 - Jun 2021

- Selected for the James O. Freedman Presidential Scholar program that gives students from the top 40% of the class a chance to work directly with Dartmouth faculty.
- Partnered with Professor Bo Zhu in part-time research assistantships to develop a machine learning algorithm that could identify patterns in virtual microstructures with a 93% accuracy.

Compartamos la Mesa, San José, Costa Rica

Co-Founder of Campaign

Apr 2016 - Current

- 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

Activities: Dartmouth's Admissions Ambassador Program, Helping teach English at the Boston Public Library

Interest: Painting, Drawing, Skiing, Dog Sitting, Travelling, Baking, Reading