

William Acosta Lora

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EDUCATION

Macalester College

St. Paul, MN

Bachelor of Arts in Computer Science | Minor: Data Science (Bioinformatics) | GPA: 4.00/4.00

8/2023 – 5/2027

Honors/Awards: Google LSLS Alumnus, Goldman Sachs Emerging Leaders Series Alumnus, QuestBridge Scholar, ColorStack Fellow, Bonner Scholar, SACNAS Member, SHPE Member, Out4Undergrad Engineering + Life Sciences Alumnus

Relevant Coursework: Algorithms, Artificial Intelligence, Computational Biology, Statistical Modeling, Machine Learning

Leadership: Voices In STEM: Macalester SACNAS Chapter (Co-Founder & Co-Chair), Adelante (Co-Chair)

PROFESSIONAL EXPERIENCE

Medtronic

Northridge, CA

Software Engineering Intern

06/2025 – Present

- Developing an internal tool to automate the tracking of regression testing progress to improve visibility in test script failures.
- Building full-stack features using Node.js, JavaScript, MongoDB, and RESTful APIs to streamline data access and tracking.
- Automated the categorization and batch processing of multi-gigabyte test reports using Python, compressing and optimizing data to 130MB packages for document upload requirements, reducing manual processing time from 7 days to 5 minutes.

Innovation Scholars Program

St. Paul, MN

Data Science Team Member

10/2024 – 02/2025

- Collaborated with a multidisciplinary team to assess commercialization strategy for oncology startup SentryDX.
- Used R and relevant data analysis packages to evaluate pre-clinical datasets and present statistical insights of new method of detecting residual cancer.
- Contributed programming, market modeling, and data synthesis to guide strategic recommendations and find the optimal diagnostic threshold.

FiNest Home Services

Minneapolis, MN

Website and E-Commerce Development Intern

01/2025-05/2025

- Redesigned company site using React.js, Tailwind CSS, and Bootstrap, improving accessibility.
- Implemented a service page that integrated an e-commerce scheduler, enhancing client engagement and conversion.
- Increased website traffic by 40% and session duration by 25% by improving UX and SEO.

Macalester College

St. Paul, MN

Computer Science Teacher Assistant

01/2024 – Present

- Instructed over 60 students on Object-Oriented Programming and GUI modules in Python, boosting average grades by 15%.
- Developed and graded assignments, providing constructive feedback and enhancing student engagement in the course.
- Participated in professional development events to improve leadership and peer tutoring in STEM subjects.

Portico Healthnet

Minneapolis, MN

Health Access Intern

08/2024 – Present

- Mapped noncitizen groups in the Greater Twin Cities using R to identify areas with higher rates of uninsured individuals.
- Supported planning and implementation of pop-up clinics and conducted community surveys before and after coverage enrollment.
- Created R-based data visualizations and contributed to grant proposals for future community health initiatives.

PROJECTS

MOMO Fit – Social Fitness App

Tech Stack: Swift, SwiftUI, Firebase

- Designed a real-time iOS app for tracking and sharing gym activity with friends.
- Implemented Firestore backend and authentication, animated mascot, and push notifications.
- Created pastel-themed UI with status updates, custom messages, and friend syncing.

WaterWise AI – Water Sustainability Consultant

Tech Stack: Next.js, React, Together AI API, Vercel

- Built a water tracking tool.
- Generated personalized water usage scores and conservation insights.

AI Rate My Professor – Course Evaluation Platform

Tech Stack: Next.js, React, Sentiment Analysis, Vercel

- Created sentiment-analysis-based professor reviews using Next.js and React.
- Enhanced relevance in course feedback and user interface experience.

Skills: Python | Java | JavaScript | HTML5 | CSS | React.js | Next.js | R | SQL | Tableau | Firebase | MongoDB

Languages: English (Native), Spanish (Native), French (High-intermediate)