

# Roberto Gonzales Matos

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## EDUCATION

**Brown University**, *B.S. Computer Science and Applied Math*, 3.91/4.00 GPA Providence, RI | **Expected Graduation May 2026**

Relevant Courses: Object Oriented Programming, Data Structures and Algorithms, Software Engineering, AI, ML, Computer Systems

**Casuarinas International College (Highschool)**, 3.98/4.00 GPA

Lima, Peru | Class of 2022

Awards and Honors: Valedictorian, Best international debate delegation Award at the University of Pennsylvania MUN

## LEADERSHIP EXPERIENCE

**Brown University**, *Meiklejohn Peer Advisor Leader* Providence, RI | Aug 2023 – March 2024

- Oversee a group of 30 Meiklejohns (Peer Advisors) each of which oversees 6 freshmen
- Organize training sessions, conduct meetings, work on the application process, hold workshops, and bonding events
- Contact and report directly to the Deans of Brown about performance of our assigned Meiklejohn group and discuss changes

**Brown University**, *Software Engineering Undergraduate Teaching Assistant* Providence, RI | Nov 2023 – Present

- Organize training sessions, work on course development with the professor, aid students conceptually and through debugging
- Created, and implemented Firebase and Authentication projects to the class

**Brown University**, *AVGE Music Club E-board member* Providence, RI | May 2024 – Present

- Lead the small ensemble section of the club, organize concert and fundraiser logistics, and determine club's goals and agenda

**Casuarinas News School Magazine**, *Founder, Director & Editor* Lima, Peru | 2020 – 2021

- Created a space where students could raise their voices through articles, encouraging the development of researching, thinking, and writing skills, divulging a variety of topics ranging from science to politics

## SOFTWARE DEVELOPMENT EXPERIENCE

**Adobe Systems**, *Adobe Express Software Engineering* San Francisco, CA | May 2024 – August 2024

- Created and deployed a slideshow-maker quick action, allowing users to work with images, videos and audios.
- Implemented transitions, media trimming, multi-volume handling, Adobe's stock cloud, and aspect ratio changes
- Incorporated playback features, audio previews, sceneline functionality, scene duplication, export functionality
- Created the loop audio function for the main editor and quick actions.
- Contributed in stand-ups, PR reviews, user interviews, UI design, project decisions and stakeholder discussions

**Brown University**, *Meiklejohn Leader Full-Stack Developer* Providence, RI | Aug 2023 – March 2024

- Developed a Meiklejohn user friendly app that provides first years the capability to find any Meiklejohn with shared interests
- Will be the first student-made app integrated as an official Brown resource

**Brown University**, *Curriculum Design Research Fellow* Providence, RI | Aug 2023 – Present

- Coding a project with Dean Rashid Zia, Dean of the College, to revolutionize how students view their academic paths
- Used plugins and solvers like Gurobi to generate a unique chord progression for each student, given their course choices

**Personal Indy Game Development**, *Full-Stack Software Developer* Providence, RI | Nov 2022 – Dec 2022

- Created an Isometric Java-fx game incorporating animations through quadratic regression, and oscillation functions
- Implementation of queues, stacks, hashmaps and an algorithm for random item ordering and selection

**Personal Venture Project CrackYourTime**, *Full-Stack Software Developer* Providence, RI | June 2023 – Present

- Created an app to manage time and challenge routine, using tasks, drawings, and "Real life Side-quests"
- Integrated OpenAI API tailoring responses based on users' past side-quest experiences
- Incorporated background adaptability given the user's location and weather conditions using a weather API
- Implemented camera use, to add videos and apply overlays which can be shared on social media through Apple's share view

## COMMUNITY SERVICE EXPERIENCE

**MamiSinCancer NGO**, *Project Founder & Director* Lima, Peru | 2019 – Present

- Help low-income mothers by providing free cancer screening tests against cervical and breast cancer
- Raised over 4,000 dollars through a fundraising concert to cover the cost of screening and specific breast and cervix cancer tests as well as the workday salary for 10 low-income mothers
- Raise Awareness through the Instagram page with over 10,000 followers and the Web page where one can find information about prevention and cancer in Spanish, English, Quechua (Language spoken in the Peruvian Andes), and sign language
- Hosted talks with low-income mothers from small rural communities in Huancavelica, a poor Peruvian state. Financed the screening test cost for those mothers who found suspicious lumps in their self-breast-examination
- Selected to be an official school community outreach programs, gaining more volunteers and more outreach

## SKILLS & INTERESTS

**Technical Skills**: Proficient in Java, Python, C, C++, SwiftUI, TypeScript, React, Gurobi

**Language**: Spanish, English (Fluent), French, Italian (Advanced), Chinese (Intermediate)

**Interests**: Guitar (Lead guitarist for AVGE at Brown and HighSchool Band), Breakdancing, Piano, Karate (Blackbelt), Rock climbing