

Robin Godinho

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Education

MSc, Information Management, Data Science track | GPA: 4.0 — University of Maryland, College Park May 2025
Coursework – Data analysis using Python, Database Management Systems (MySQL), Statistical analysis using R (regression, hypothesis testing), Data integration for analytics, Data visualization, Machine Learning, Generative AI

BSc, Information Science, Data Analytics track | GPA: 3.8 — University of Maryland, College Park May 2023
Coursework – Object Oriented Programming, Project Management, Database Management, Statistics for Big Data, Web Development

Skills

Programming & Visualization Tools: Python, C++, SQL, MongoDB, R, Tableau, Power BI, NumPy, Pandas

Collaborative Tools: Visual Studio Code, GitHub, Microsoft Suite, Salesforce, Jira

Cloud Environments: Amazon Web Services, Microsoft Azure, Google Cloud Platforms (GCP), Oracle

Linguistics: English – Proficient, Portuguese – Proficient, Spanish - Intermediate

Experience

Graduate Research Assistant | Computer Science Department, University of Maryland Oct. 2023 – Present

- Developed and maintained comprehensive advising resources for the Computer Science department students.
- Curated data visualizations and dashboards using tools such as Python, R, and Tableau to communicate complex findings.
- Managed 100+ students caseload data and approved CS minor coursework and ADS examination registrations.

Project Management Intern | College Park Academy, Maryland June 2023 – Sept. 2023

- Cultivated and managed a high-performing team of 4 developers using the Agile project management approach using Jira.
- Scheduled and hosted bi-weekly meetings with CPA faculty and stakeholders on project outcomes and modifications.
- Leveraged precision data analytics using Tableau to develop interactive dashboards for CPA stakeholders.
- Increased the online engagement with CPA's official website by 40% within 3 months of the embedded visualizations.

Data Solutions Analyst Intern | Deloitte LLP , Mozambique Jan. 2023 – June 2023

- Implemented robust ETL processes to create a data pipeline system to track funding from donors for a non-profit organization.
- Analyzed and curated reports on campaign data for AMORA's strategic plan for organizational fundraising for the 4th quarter.
- Increased the quarterly fundraising by 30% using a comprehensive outreach campaign model targeted to international donors.

Teaching Assistant | College of Information Studies, University of Maryland Sept. 2022 – Dec. 2022

- Instructed 100+ students in 'INST354 – Decision Making for Information Science' on different statistical models.
- Instructed 75+ students in 'INST335 – Organizations, Management and Teamwork' on different business structures and strategies.

Projects

Mobile Banking App | Python, Excel, Pandas, Object Oriented Programming

- Developed a program called Synergy Wallet which is a mobile banking application that replicated a cardless banking experience. The project was developed using Python Object Oriented Programming to establish a user and bank parent-child relationship. The user could be prompted to make the following actions: deposit, transfer, withdraw or view bank statements. Using Pandas, the program could store up to 200 users monthly bank statements on Excel.

Spotify – Music Database | SQL, Spotify API, ERD design, CRUD queries

- Created a music database using existing Spotify API on MySQL. The goal of this project was to use queries to develop custom song and playlist recommendations based on the listeners' history. The project included an E-R diagram, normalization, data type choices, and built-in queries. The project also included creating sample data and performing CRUD operations.

AWS – Cloud Computing | Internet of Things, Real-time data deployment

- Designed a cloud computing certificate using the AWS IoT core. The objective for the project was to make use of the ESP32 Arduino board, to send and receive messages from the cloud, using the AWS IoT core service. The procedures included the creation of a 'Thing,' which came with a certificate, device private key, Amazon Root CA 1 and lastly the creation of a policy.

Leadership

President – Information Science Student Association (ISSA) May 2022 – May 2023

- Led a team of 12 leadership council members and aided with decision making, event management and public speaking.
- Designated tasks to council members and executed events for students in the Information Science program.
- Recruited new members and promoted the organization's mission across different student platforms on campus.

Senator – National Society for Black Engineers (NSBE) September 2022 – May 2023

- Represented the Black Engineers Society chapter from the University of Maryland at regional and national meetings.
- Delegated and voted for the expected outcomes for the chapter given by the members on the leadership committee.