José Amilcar Mata Calidonio

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PROFESSIONAL SUMMARY

Full-Stack Developer and CS Lecturer specializing in application design and architecture. Experienced in building end-to-end Python and JavaScript applications with intuitive UIs and robust backends.

EDUCATION

Bridgewater State University, Bridgewater, MA **Awarded 05/2025**

- Master of Science in Computer Science (4.0/4.0 GPA)

Eastern Nazarene College, Quincy, MA **Awarded 05/2021**

- Bachelor of Science in Electrical Engineering with Minor in Mathematics (3.98/4.0 GPA)
- Bachelor of Arts in Business Administration (3.98/4.0 GPA)

RELEVANT SKILLS

- **Computer Science:** Python and Node.js Full-stack Development; SQL; AWS, Docker, C++; Golang; CI/CD Methodology, Relational and Time Series DBs; HTML; CSS; REST APIs; AI; Machine Learning; GitHub and Azure DevOps; Automated Testing; Linux, MacOS, and Windows; Algorithm Analysis, etc.
- **Industry Experience:** Developing multiple projects at once, customer relationship management, etc.
- **Languages:** Fully proficient in English and Spanish (spoken and written).

PROFESSIONAL EXPERIENCE

Comp. Sci. Lecturer at Bridgewater State University, Bridgewater, MA **09-2025 – Present**

- Teach advanced programming and cybersecurity concepts to multiple cohorts, covering Python and other languages, including OOP, recursion, abstract data structures, type systems, and comparative programming paradigms, while fostering problem-solving and critical thinking skills.
- Design and deliver comprehensive, project-based coursework featuring live coding, developer tooling (Git, CLI, regex), in-depth language analysis, and exploration of design trade-offs, ethical considerations, and best practices in software development.

Software Engineer at Cascadia Web Services, Quincy, MA **06/2025 – 09/2025**

- Designed, developed, tested, and made deploy-ready Zoho extensions using JavaScript, Deluge, HTML/CSS, and third-party APIs to enhance business workflows and application functionality.
- Integrated Twilio SMS capabilities into Zoho apps, enabling two-way messaging and complete message history tracking, improving customer engagement and reducing manual communication time by 50%+.

Internship: Analyst/Software Engineer at Environ Energy, Quincy, MA **05/2024 – 08/2024**

- Proposed and developed a Python application integrating Microsoft Azure ML to automate data extraction from customer utility bills, formatting, converting, and storing the data in an SQL database. This solution eliminates manual data entry, potentially saving thousands of employee hours.
- Trained and tested multiple AI Models and delivered a comprehensive research report with actionable insights, providing a plan for future integration of Microsoft AI technologies within the company.

Energy Engineer at Prism/Environ Energy, Quincy, MA **05/2021 – 01/2024**

- Conducted in-depth energy audits and site assessments for commercial clients, delivering tailored proposals for solar, HVAC, and other efficiency upgrades in collaboration with an engineering team.
- Sold multiple projects by presenting persuasive proposals, explaining technical concepts to customers in a clear manner, and meeting with clients one-on-one to assess needs and build strong relationships.

RECENT ACADEMIC PROJECTS

Prayer Circle: iOS and Android Mobile App **In Progress**

- Anonymous prayer-request platform: a Swift/MVVM iOS app and a Node.js/Express backend with PostgreSQL, enabling users to share requests, support others, and celebrate answered prayers privately.

Python Full-Stack Application: AI Cooking Recipe Web App **01/2025 – 05/2025**

- Proposed and developed a Flask and SQLite-based web app as an AI recipe platform. The app enables users to create, share, search, rate, and save recipes, and leverages generative AI to generate new recipes.

Golang Application: Facial Recognition and Computer Vision Program **04/2024 – 05/2024**

- Developed a program entirely in Golang using computer vision and an external API to train on specific faces from photos and perform live face recognition via the user's camera or in pictures.