

# Mami Ravaloarison

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## EDUCATION

### Monroe University

Sep 2021 - Jun 2025

Bachelor of Science in Computer Information Systems, Magna Cum Laude

*Minor:* Mathematics

GPA: 3.75/4.0

## EXPERIENCE

### Monroe University

July 2025 - Present

#### *Business Intelligence Analyst*

New Rochelle, NY

- Recreating and optimizing 100+ dashboards on Power BI using existing reports to ensure consistency, accuracy and improved usability

### Monroe University

Feb 2023 - Apr 2025

#### *Information Technology Tutor*

Bronx, NY

- Tutored students in Excel, databases, and programming across multiple levels, from freshman to senior, by explaining complex technical concepts in clear, accessible ways.
- Assisted alumni with real-world IT issues, including website setup (e-commerce) and troubleshooting technical problems.

### New Rochelle Council of Community Services

Apr 2023 – Oct 2023

#### *Software Developer Intern*

New Rochelle, NY

- Collaborated with a team of three interns to redesign and update the nonprofit website, by combining CMS-based updates with a hand-coded Next.js (TypeScript) and Tailwind CSS version.
- Accomplished an accurate implementation of Figma wireframes, by coding the designs into functional interfaces and recreating them using WordPress plugins and themes.

## PROJECTS

### Discover Nature | Swift, iNaturalist API, Firebase, Python

[Read more](#)

- Built an educational platform combining real-time biodiversity data with gamified learning to make ecological discovery accessible to non-experts.

### Green | Swift, SwiftUI, Xcode, MapKit, Git/GitHub

[Hackathon link](#)

- Developed a Swift/SwiftUI app to reduce traffic emissions by recommending routes with minimal stops.
- Awarded Best Sustainability Hack at Rensselaer Polytechnic Institute Hackathon during Hack RPI 2024.

## LEADERSHIP AND AWARDS

### *Hackathon Competitions*

[Devpost link](#)

- Competed in 16 hackathons across the U.S. (Yale, Princeton, Stony Brook, RPI, Penn State), winning 12 times, including Best in Show and Best Sustainability Hack; earned ~\$4,000 in prizes.

### *Resident Assistant at Monroe University Residence Life*

Aug 2022 – Dec 2023

- Supervised and supported over 50 dorm rooms by addressing maintenance issues and roommate conflicts.
- Improved communication and leadership skills, measured by successful collaboration with fellow RAs and positive student engagement, by leading events and interacting with students from diverse cultural and academic backgrounds.

### *Academic Honors*

Sep 2021 – Jun 2025

- Magna Cum Laude graduate; Dean's List and President's List recipient across multiple semesters for academic excellence.

### *Certifications*

- Harvard CS50P: Introduction to Programming with Python
- DELF B2 – French Language Proficiency (French Ministry of Education)