Hiarimino Ralison Rakotoson

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EDUCATION/ PROGRAM

Senior | Bachelor's degree in Computer Science   *Anticipated graduation: Dec. 2025*
Central Michigan University, Mt. Pleasant, MI
Associate of Arts in Computer Information Systems Technical Emphasis   *Graduated: Aug. 2023, GPA 3.5*
Illinois Central College, East Peoria, IL

SKILLS

Core:	Software Programming, Algorithms and Problem-solving, Data Structures, Basic Object-Oriented Design and Programming
Programming languages:	Java, C++, C, Basic Python
Software:	NetBeans, Visual Studio, Arduino IDE, R, SAP S4/HANA, Microsoft 365
Communication:	Leadership, Teamwork, Clear written and verbal communication
Languages:	English, French, Malagasy

ACCOMPLISHMENTS

Hack-A-Thon Reimagined 2024 | Central Michigan University, Mt. Pleasant, MI   *April 5-6, 2024*
- Best in Category "Sustainable mobility solutions" Award to our team with the project "Central Carpool Connect."

Midwest Collegiate Computing Conference | Grand Valley State University, Grand Rapids, MI   *March 21-22, 2024*
- 3rd place in Microcontroller Fundamentals with Arduino Competition

12th Annual ERP Sim Competition | Central Michigan University, Mt. Pleasant, MI   *March 19, 2024*
- Participated as the Team Abeam 1

OBJECT-ORIENTED PROGRAMMING PROJECT

Programs in Java on Eclipse, NetBeans | Central Michigan University, Mt. Pleasant, MI
- Task management tool using JavaFX, AWT, and Swing
- Sorting and searching data using algorithms.
- Tax calculator for displaying the tax to pay based on given tax information and rate of the year.
- Coin counting tool for calculating and identifying the change after a payment.

Programs in C on Visual Studio | Central Michigan University, Mt. Pleasant, MI
- Weather station with real-time clock using Arduino Kit and Arduino IDE
- Automobile crash data analyzer
- Data encryption & decryption converter

Programs in C++ on Visual Studio | Illinois Central College, East Peoria, IL
- Dynamic allocation of data and sorting for data management
- Cumulative sum of data for calculating cumulative and progressive data
- Utilizing I/O Files for data storage and management

PROFESSIONAL EXPERIENCE / TRAINING

Software Engineering Fellow | Headstarter AI, United States   *July 2024 – Present*
A 7-week program consisting of building 5 AI projects, 5 weekend hackathons, 1 final project with 1000+ users,
interview prep, resume reviews and feedback from real software engineers.

Student Library Assistant | Central Michigan University Libraries Services, Mt. Pleasant, MI   *Sep. 2023 – Present*
- Develop daily knowledge and practice of automated library systems using Ex Libris Alma and Melcat.
- Manage library resources and check in/out materials for customers upon request.
- Perform daily front desk reception and telephone management.

Resident Assistant | Capstone On-Campus Management ICC Campus Housing, East Peoria, IL   *July 2022 – Aug. 2023*
- Programed and led monthly recreational and awareness activities for residents.
- Delivered reports upon incidents and maintained confidentiality.
- Managed daily front desk reception, telephone management, and mail sorting.
- Performed key management and nightly safety rounds.

CAMPUS LEADERSHIPS

Secretary | Women in Technology   *Jan. 2024 – Present*
Central Michigan University, Mt. Pleasant, MI
Media and Public Relations Manager | International Student Organization   *Sept. 2023 – Present*
Central Michigan University, Mt. Pleasant, MI
Honor Society Member | Phi Theta Kappa   *Oct. 2022 – Aug. 2023*
Illinois Central College, East Peoria, IL