

Mouhamad Mamane

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EDUCATION

Case Western Reserve University – Cleveland/Ohio

May 2029

Bachelor of Science: *Computer Science Major - Artificial Intelligence Minor*

Relevant Courses: *Java Programming, Chemistry, Calculus III*

TECHNICAL SKILLS

Langages : C#, Java, Python, JavaScript, HTML, CSS.

Frameworks & Tools : .Net , PyTorch, Blazor, Angular, React, SQL Server, Firebase, TensorFlow

Soft Skills/ Other: Leadership, Hard Work Ethic, Teamwork, Global perspective, Community Outreach, Dependability.

EXPERIENCE

CWRU ColorStack | Cleveland, OH

September 2025 - Present

Freshman representative

- Partnered with executive board members to organize a career-focused event attended by 40+ CS students, connecting them with alumni and internship resources.
- Launched and coordinated an ongoing freshman mentorship program, matching 15+ students with upperclassmen mentors and project teams to foster skill-building through hands-on coding.
- Collected feedback from first-year members and reported their needs in weekly board meetings.

UwcNiger Connect

September 2025

Developer

- Worked with UWC National committee of Niger to develop a full-stack web application designed to help new UWC students from Niger access academic resources, alumni insights, and community tips, with role-based access control and admin moderation.
- Developed a secure full-stack platform using ASP.NET Core Web API and Blazor WebAssembly
- Built an admin dashboard enabling moderators to manage allowed users, approve alumni testimonials, and remove inappropriate uploads, improving platform safety and content integrity.

Gabera Software | Niamey, Niger

July 2025 – August 2025

Software Engineer Intern

- Collaborated with mentor and project manager to build a secure minimal API in .NET that enabled instructors of a gov-tech platform to retrieve individual student grades with role-based authorization.
- Conducted user research and collaborated with 3 teammates to redesign the UI of a gas station demo web app in Blazor, improving usability by 50%.
- Gained technical and professional skills in software engineering, project management, and cloud technologies.

United World College | Freiburg, Germany

October 2025 – May 2025

Teacher Assistant for Math AA

- Held weekly office hours supporting 20+ students, answering questions and offering tips for exam preparation.
- Maintained responsive communication via email and Microsoft Teams with students, responding to questions and providing useful resources.
- Worked with math Teachers to refine the course material based on the recurring questions and difficulties faced by students.

PROJECTS

Zindi Data Science Competition

November 2025-present

- Built an ML model (adhering to no-back-propagation rules) to predict traffic congestion ratings 15 minutes in advance.
- Engineered predictive features by analyzing four distinct, unstructured video data streams capturing vehicle movement and flow.