

# Aimé C. Mugishawayo

[Email](#) | [Portfolio](#) | [GitHub](#) | [LinkedIn](#) | (413) 437- 6374

## EDUCATION

### Amherst College

*Bachelor of Arts in Computer Science and Math, Cumulative GPA: 3.95/4*

- Relevant Coursework: Data Structures, Algorithms, Computer Networks.

### Amazon Web Services

*DevOps on AWS Specialization*

### Sorbonne Université

*Study Abroad Semester, Semester GPA: 3.67/4*

- Relevant Coursework: Cryptography.

## RELEVANT PROJECTS

### Mammoth Rumble- A decentralized voting platform: [Repository](#) | [Website](#)

*Node.js, React, Solidity, Ethers API, Bootstrap, Unit testing, Google Cloud Compute Engine.*

- Built, unit-tested, and deployed a Web3 web app that leverages smart contracts on the Ethereum blockchain to offer verifiable and tamper-proof election results.

### Naona- A web-based video call and chat app: [Repository](#)

*NodeJS, JavaScript, Express, PeerJS, Socket.IO, jQuery, WebRTC*

- Leveraged web development frameworks and REST APIs to build a web-based app that allow users to join video call rooms, send text messages, and control their video and audio streams during calls.

### Portfolio Website: [Repository](#) | [Website](#)

*Node.js, React, TypeScript, Tailwind CSS*

- Developed and deployed a responsive website that displays my projects, certifications, and education on my GitHub Pages.

## WORK EXPERIENCE

### Amherst College- IT Department

*IT Desk Student Technician*

- Shortened response time by up to 50% for common requests by leveraging Python to automate IT service desk workflows and other solutions to common requests and writing documentation for the automation and template responses.
- Responded to and captured 2700+ tickets in the SolarWinds ticket management system, resolving 2000+ hardware, software, and network issues and escalating others when appropriate; reimaged 250+ returned computers for redeployment.
- Ensured continuity during the 2024 CrowdStrike outage, returning functionality to 40+ affected computers by leveraging operating systems knowledge to produce a quick USB-based fix.

### Amherst College- Computer Science Department

*Tutor*

- Mentoring students 9 hours weekly on Object-Oriented Programming and the Java Collections and Graphics libraries.

## LEADERSHIP EXPERIENCE

### Artificial Intelligence in the Liberal Arts

*Team Leader*

- Led the club's news team, leveraging organization skills to coordinate six events; assisted on the web development team, leveraging web-development and REST API knowledge to deliver frontend and backend features.

### Amherst College- Office of Residential Engagement and Wellbeing

*Community Advisor*

- Enhanced community wellbeing in residence halls for 24 residents, organizing events and administering policy.

## SKILLS AND INTERESTS

### Software Development

- Programming Languages: Python, TypeScript, Java, Dart, SQL, HTML, CSS.
- Tools and Frameworks: React, Node.js, Express, Tailwind, Bootstrap, Git
- Cloud and virtualization: Azure, AWS, Docker, Kubernetes.
- Tools and philosophies: CI/CD, REST APIs, Software Development Lifecycle, Agile Development.

### Non-technical skills

- Spoken and written communication, documentation.
- Bilingual in French and English; moderately fluent in Swahili.

## AWARDS AND CERTIFICATIONS

- #1 nationally in Computer Science in the 2019 Rwanda National Advanced Level Secondary School Exams. *Feb 2020*
- Microsoft Azure Fundamentals. *Jan 2025*
- Google Cybersecurity Professional Certificate. *Feb 2025*