

# Gavin Goodwill Waako

Waltham, MA | [g\\_waako@massbay.edu](mailto:g_waako@massbay.edu) | +1 508 975 8422 | [sonnygavin.netlify.app](https://sonnygavin.netlify.app)  
[linkedin.com/in/gavin-waako](https://linkedin.com/in/gavin-waako) | [github.com/gavin-waako](https://github.com/gavin-waako)

## Summary

I'm Gavin Waako, an **aspiring Theoretical Computer Scientist**. Highly passionate about machine learning and computational theory, and I love exploring the mathematical principles behind intelligent systems.

## Education

**Massachusetts Bay Community College**, AS in Computer Science Jan 2025 – May 2027

- GPA: 3.6/4.0
- **Coursework:** Java Programming I & II, Python Programming, Data Structures, Introduction to Computation, Calculus I & II, Systems Programming with C, Computer Architecture and Assembly Language, Intro to Computer Science, Critical Thinking, Pre-Calculus Mathematics, and Pre-Calculus CoreQ.

## Technologies

**Programming Languages:** C++, Java, Python, JavaScript, TypeScript

**Frameworks & Technologies:** Node.js, React (Next.js), React Native, AWS, Spring Boot

**Databases:** MongoDB, MySQL, PostgreSQL, Firebase

**Tools:** Git, Postman, Docker

## Work Experience

**Founder & Software Developer**, Beluga Tech – Kampala, UG Aug 2021 - Dec 2024

- Spearheaded the design and full-stack development of 10+ client-facing web & mobile applications
- Established and enforced coding standards, version control (Git), and agile development workflows across the agency, leading to a 40% reduction in post-deployment bugs
- Managed all aspects of agency operations, including client acquisition, contract negotiation, budgeting, and delivery

## Projects

**Nana's Closet - Microservice E-Commerce App** | [View Code](#) [nanaascloset.netlify.com](https://nanaascloset.netlify.com)

- Designed and deployed a full-stack e-commerce platform featuring user authentication, product catalog management, and secure payment processing.
- Implemented a basic Content-Based Recommendation Engine in TypeScript to suggest products, improving user engagement and potential conversion rates.
- Managed backend services and scalability utilizing MongoDB for data storage and deployment on AWS (EC2/S3)
- **Tools Used:** React, Redux, Node.js, Express, MongoDB, AWS

**NexusLogin, University Education Management System** | [View Code](#) [nexuslogin.netlify.com](https://nexuslogin.netlify.com)

- Designed and implemented a full-stack educational management platform utilizing Next.js for server-side rendered pages and TypeScript to ensure code stability and maintainability.
- Deployed and maintained the application infrastructure on AWS, including configuring continuous integration/continuous deployment (CI/CD) pipelines to manage updates and ensure high availability
- **Tools Used:** Next.js, TypeScript, MongoDB, Prisma, AWS

## Licenses & certifications

**Certificate, The Complete Full-Stack Web Development Bootcamp** Aug 2024

<https://www.udemy.com/certificate/UC-a7b81234-24d3-4e80-b73a-a7d4db9b0191/>