Gavin Goodwill Waako

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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

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 - AI Driven E-Commerce Platform | View Code   nanascloset.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

- 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/