# Aminkeng Nkeng

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## EDUCATION

**University of Maryland Baltimore County (UMBC)**  Baltimore, MD
*Bachelor of Science in Computer Science*  *Aug 2020 – Aug 2023*

## TECHNICAL SKILLS

**Languages**: Python, Java, C/C++, JavaScript, Swift, Golang
**Frameworks**: Docker, Spring Boot, Angular
**Software Tools**: Git, Visual Studio, Eclipse, Node.js
**Certifications**: Programming with JavaScript(2025 Coursera)

## EXPERIENCE

**Specialist**  June 2024 – Present
*Apple*

- Enhanced customer experience by providing technical support for Apple products, optimizing software and system functionalities, and implementing customized solutions to meet unique user requirements.
- Troubleshoot and resolve complex hardware and software issues using Apple's diagnostic tools and repair processes, while maintaining up-to-date knowledge of Apple technologies to deliver efficient, high-quality service in a fast-paced, customer-focused environment.

**Software Engineer**  August 2023 – May 2024
*Under Armour*  *Baltimore, Maryland*

- Contributed to the vision and architecture of internal platforms, identifying and integrating strategic technologies to improve scalability, reliability, and system performance.
- Designed and supported automated provisioning and CI/CD pipelines using Terraform and GitHub Actions to streamline deployments and enhance developer productivity.
- Collaborated with engineering teams to resolve infrastructure-related issues in production, ensuring high availability and robust failover mechanisms across cloud-based environments.
- Received mentoring in clean coding and test-driven development (TDD), applying these practices to improve software quality.

**Software Engineer Intern**  June 1, 2022 – August 19, 2022
*Maryland Department of Transportation Enterprise Application Services*  *Maryland*

- Programmed complex Salesforce automation scripts and workflows to facilitate efficient data management and business processes, reducing manual input and improving system responsiveness.
- Led the seamless migration of SharePoint web parts to SharePoint Online, utilizing Azure cloud infrastructure, and engineered CI/CD pipelines to streamline workflows, while collaborating with cross-functional teams to ensure the reliability and performance of cloud solutions, implementing best practices in cloud migration and DevOps methodologies.

## PROJECTS

**Internet Relay Chat (IRC) Client** | *Electron, React, CRUD, SQLite, Prisma, Git, CI/CD*

- Collaborated as a member of a team to develop a cross-platform Internet Relay Chat (IRC) client that allows users to communicate in real-time over a network, featuring user authentication, channel management, and message handling.
- Implemented real-time messaging in the Electron-based IRC client using Inter-Process Communication to enable asynchronous communication between main and renderer processes.

**Data Management System** | *C++, Hash Table, Open Addressing, Rehashing, Randomized Algorithms, Git*

- Designed and implemented a genomic data management system using C++, focusing on efficient hash table operations with open addressing for collision management and dynamic rehashing to maintain optimal load factors.
- Engineered the DNA class to encapsulate genomic sequences, integrating custom hash functions for data uniformity and a suite of operations (insert, remove, retrieve) to manage data integrity and access.

**Financial Forecasting Engine** | *Python, Flask, Docker, Git*

- Developed a financial data forecasting system in Python with Pandas, designed to analyze and sort user-inputted market data, aiding investors in making informed decisions based on historical data correlations and trends.
- Containerized the application with Docker, ensuring high availability and scalability, critical for mission success in government operations.

**Vending Manager** | *Java, Spring Boot, JavaFX, RESTful API, User Authentication, Git*

- Developed a full-stack vending machine system with a JavaFX GUI and a Spring Boot RESTful API, enabling item purchases, stock management, and admin functionalities.
- Implemented Smart Inventory Management and role-based authentication, reducing out-of-stock occurrences by 40% and integrating a simulated payment system for seamless transactions.