TREVOR KATEMBA

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GitHub | LinkedIn

EDUCATION

Clemson University, *College of Computing and Applied Sciences*   **Clemson, SC**
*Bachelor of Science in **Computer Science** w/ Minor in **Artificial Intelligence***   *Fall 2021 – Present*
      GPA: 3.95/4.00

- **Honors:** President's List
- **Relevant Coursework:** Artificial Intelligence, Software Engineering, Operating Systems, Network Programming, Data Structures & Algorithms, Linear Algebra, Public Speaking
- **Extracurriculars:** National Society of Black Engineers (NSBE)

WORK EXPERIENCE

Accenture, Greenville, SC   *Fall 2023, Spring 2023, Summer 2024*
Industry X Data Analyst (Co-op)

- Developed custom functionality for **HxGN EAM** and **ION** Integrations using **Oracle SQL** and **JavaScript**
- Optimized SQL scripts and **debugged an EAM import tool**, improving operational efficiency
- Designed **Power BI** dashboards to visualize AWS CloudWatch error logs, enhancing monitoring capabilities
- Contributed to **ION integration documentation**, reducing onboarding time for new users
- Communicated daily with team members via **Microsoft Teams**

LEADERSHIP EXPERIENCE

Crown, Clemson, SC   *Winter 2024 - Present*
Lead Software Engineer

- Leading a diverse team of **three developers** in designing and developing a **full-stack mobile application** as a semester project, using the **Scrum** methodology for team & product management

TECHNICAL SKILLS

- **Programming Languages:** Go, TypeScript/JavaScript (React), Java, Python, SQL
- **Frameworks/Libraries:** Gin, Spring Boot, Expo, GORM, OpenAI API, Junit
- **Developer Tools**: Git, GitHub Actions, Docker, AWS, Postman, Trello, PostgreSQL
- **Methodologies:** Agile, Scrum

PROJECTS

Hair Product Recommendation Mobile App | Go, Typescript, OpenAI API, React Native Expo

- Developed a REST API in **Go** using **Gin**, **GORM**, and **PostgreSQL**, hosted on **Railway** with **Docker containerization**
- Implemented **custom authentication** with **JWT** & **Go's Crypto library** for secure user registration and login
- Built an AI-powered **recommendation engine** using **OpenAI API**, generating structured product suggestions based on user hair properties
- Integrated **CI/CD pipelines** with **GitHub Actions** to automate unit testing
- Designed and developed the **authentication flow UI** and **hair-profile survey UI** in **React Native (Expo framework)**