Jeremiah Animaku

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Education

FISK UNIVERSITY - Nashville, TN Expected Graduation Date: **Dec. 2026**

Bachelor of Science in ***Computer Science***

Relevant Coursework: Calculus I & II, Intro to Computer Science I & II, Discrete Mathematics, Data Structures & Algorithms, Database Management, Natural Language Processing

Honors & Awards: Ella Sheperd Moore Provost Scholarship (**Full Tuition**)

TECHNICAL SKILLS

Languages: Python, Java, C, C#, Swift, JavaScript, SQL, HTML, CSS

Tools & Frameworks: Azure, GitHub, SwiftUI, Google Cloud Platform, BigQuery, ASP.NET Core, Fabric Eventhouse, Power BI, React Native, Supabase, Expo, HealthKit, Streamlit

Experience

Microsoft **May – July 2026**

Software Engineer Intern, Finance Data & Experiences

- Developed a secure telemetry ingestion API using **ASP.NET Core** and **C#** to consolidate fragmented usage data across internal automation solutions into a centralized service, validating the path with **3,000 events** at **100% success**
- Designed a three-page **Power BI** dashboard backed by **Microsoft Fabric Eventhouse** to translate raw telemetry into clear leadership insights on solution adoption, reliability, and estimated cost savings
- Authored an integration guide and **Azure CI/CD** deployment automation pipelines, leveraging **GitHub Copilot CLI** and **Agency** to accelerate workflows and enable engineering teams to successfully onboard their tools

Google **January – April 2025**

Google Tech Exchange

- Selected for Google's Tech Exchange Program, focusing on Software Engineering, Data Structures, and **Generative AI systems**
- Co-developed ***Work Out!***, a fitness web application with user-generated posts and activity stats backed by **BigQuery**, deploying the full-stack app via the **Google Cloud Platform**
- Engineered a **pydeck_chart** GPS route mapping feature and led a responsive front-end redesign, utilizing mock injection tests to ensure reliability across dynamic user sessions

CodePath in Residence **Aug – Dec 2025, Aug 2026 – Present**

Tech Fellow

- Serve as Teaching Assistant for CodePath's Intro to Computer Science course, supporting over **50 students** in mastering **Python programming fundamentals**
- Lead weekly labs and provide debugging support, collaborating with faculty to evaluate student progress and improve course delivery

Fisk University **June – August 2024**

Cyber Security Intern

- Developed an Intrusion Detection System on the **NSL-KDD dataset**, classifying five attack families with **Random Forests**, **XGBoost**, and **Neural Networks**
- Improved rare-class recall by **24%** through **Optuna** hyperparameter tuning and **SMOTE** oversampling, raising macro-F1 score to **93.8%**
- Designed an ensemble model achieving **99.5% binary accuracy** and applied **SHAP analysis** to highlight top intrusion indicators for cybersecurity operators

Projects

iOS Health App **August 2026 – Present**

(Mobile App Development) *– SwiftUI, HealthKit, Git*

- Developing a personal health monitoring iOS application utilizing **SwiftUI** and **HealthKit** to seamlessly track, analyze, and visualize users' daily biometric data
- Architecting the integration of advanced Apple frameworks including native accessibility features, concurrency protocols, and **AI-driven data processing** to enhance personalized health insights

Real Circle **February – April 2026**

(Mobile App Development) *– React Native, Expo, Supabase*

- Developed a social media mobile application utilizing **React Native** and **Expo**, integrating **Supabase** for backend relational database management and secure user authentication
- Implemented backend media storage and optimized database queries to seamlessly handle dynamic user feeds, social interactions, and active application states

GitHub API App **November 2024 – February 2025**

(iOS App Development) *– UIKit, Swift, GitHub API*

- Built a native iOS application that fetches GitHub followers using **REST API calls**, featuring a custom UI, Favorites List, and direct profile viewing via an embedded Safari controller
- Improved performance by implementing data pagination and caching, reducing API load times by **45%** and minimizing active memory usage
- Designed a real-time statistics panel to dynamically display follower repository and gist counts, streamlining data access for users

Leadership & Activities

The Redeemed Christian Fellowship, Fisk Chapter **August 2025 – Present**

Social Media Coordinator

- Design event flyers and capture photography/videography to promote fellowship activities across multiple platforms

Fisk University **August 2024 – May 2026**

Resident Assistant

- Supervised a residence hall of over **300 students**, fostering a safe and supportive environment through dorm events and engagement