

Avanie Baptiste

Atlanta, GA | avaniebaptiste@gmail.com | avanie.co | github.com/ajb75074

EDUCATION

University of Georgia

Bachelor of Science, Computer Science. Magna Cum Laude (GPA: 3.83); Dean's List (4 semesters); Minor in Public Health; New Media Institute Certificate.

Athens, GA

May 2026

SKILLS

Programming & Platforms: Java, JavaScript, TypeScript, React, Flutter, Supabase/PostgreSQL, Firebase, Git/GitHub

Analytics & Data: Python, SQL, Microsoft Excel, scikit-learn, Machine Learning, Exploratory Data Analysis, Sentiment Analysis, Dashboards

Business & Research: Customer Segmentation, Journey Mapping, User Research, Stakeholder Collaboration, Agile/Scrum

EXPERIENCE

Mobile Software Engineering Intern

February 2026 – May 2026

Cooper Lighting, LLC

Atlanta, GA

- Selected to return for a second internship with expanded responsibilities in frontend development, API integration, and modular architecture to support the WaveLinx CAT app
- Contributed to the Angular-to-Flutter migration by implementing responsive interfaces and applying separation of concerns across UI, business logic, and shared modules to reduce code duplication
- Designed and presented UI/UX concepts for a circadian rhythm lighting control system to stakeholders, translating complex lighting functionality into intuitive, accessible interfaces

Software Engineering Intern

June 2025 – August 2025

Cooper Lighting, LLC

Atlanta, GA

- Developed responsive Flutter interfaces for the WaveLinx lighting control application, adapting 10+ portrait layouts to landscape orientation to broaden device support
- Supported the Angular-to-Flutter migration by implementing UI enhancements and bug fixes to modernize the mobile frontend
- Delivered 15+ pull requests in Agile workflows, collaborating in stand-ups and code reviews to ship improvements

Qualitative & Quantitative Insights Extern, Beats by Dre Project

August 2025 – November 2025

Extern

Remote

- Conducted exploratory data analysis and sentiment analysis on 1,000 scraped Amazon reviews across 5 wireless-speaker products, building dashboards and AI-generated summaries to compare consumer preferences
- Translated insights into an Ideal Consumer List and Customer Journey Map using the AIDA framework, helping the marketing team target three high-value segments and prioritize five key touchpoints

PROJECTS

Capstone Project, Seraph Secure & UGA CARE Center

April 2026

- Designed a scam-awareness platform in Figma for adults 65+, creating accessible user flows and responsive interfaces to simplify cybersecurity education
- Collaborated with a multidisciplinary team and the UGA CARE Center to integrate the SAFE framework into a digital learning experience, leading research with 10+ participants

Wishlist, Fashion Tech Product

2026 – Present

- Designed and built a full-stack platform (React, Supabase/PostgreSQL) enabling users to save and organize products from any retailer into customizable collections
- Integrated cross-site product extraction and an AI outfit visualizer, allowing users to mix and match clothing items into personalized combinations

Machine Learning for Senolytic Drug Discovery

April 2026

- Analyzed 4,866 chemical compounds in Python/scikit-learn to identify drug candidates, building cost-sensitive Logistic Regression and Rotation Forest models against a dataset with 2.12% positive samples
- Achieved approximately 81% recall with class-balanced Logistic Regression, assessing precision-recall tradeoffs for rare candidate identification

ACTIVITIES & LEADERSHIP

New Media Institute, University of Georgia

August 2025 - December 2025

Peer Coding Mentor (NMIXpert)

- Selected as 1 of 10 NMIXperts to mentor peers in coding and debugging in weekly sessions

National Society of Black Engineers (NSBE), University of Georgia

August 2024 - May 2026

Member

- Participated in professional development workshops, networking events, and regional conferences to strengthen technical skills, build industry connections, and support diversity in STEM