Emmanuel Babayemi

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Software Developer with a specialization in TypeScript and React development. Well-versed in deep learning and leveraging LLMs through API endpoints. Currently majoring in Computer Science: Artificial Intelligence at Kean University and committed to continuous growth in software development.

Education

B.S. Computer Science: Artificial Intelligence | Kean University, Union, NJ   May 2027
- **GPA:** 3.6
- **Relevant Coursework:** Software Development w/ Frameworks, Deep Learning, Data Structures & Algorithms, Object-Oriented Programming, Operating Systems
- **Awards:** GMiS Conference Travel Scholarship, Pathways Grant Research Stipend, CURF Grant (Center for Undergraduate Research & Fellowships, Dean's List (3 semesters), William Livingston Full Tuition Scholarship
- **Minors:** Cybersecurity, Music

Skills

- **Technical:** TypeScript/JavaScript, React, Tailwind, HTML, CSS, Python, PyTorch, Java
- **Tools:** Visual Studio, Git, Cloudflare Developer Platform, OAuth, MySQL Suite, Google Colab, Microsoft Suite, Docker
- Full-Stack Development, APIs, Project Management, Machine Learning, Natural Language Processing

Experience

Software Engineer & Founder | *Dami SaaS*   Feb. 2025 – Apr. 2025
- Utilized **cloud compute** serverless workers hosted on Cloudflare to develop a **RESTful API** and process Stripe **webhooks**
- Interacted with **SQLite RDBMS** to handle user authentication and **access provisioning** for premium features
- Improved **documentation** comprehension to effectively utilize multiple **external APIs** (e.g. Chrome, Stripe, OpenAI)
- Developed Chrome extension using **JavaScript**, HTML, and CSS to automate uploading stock photography to Adobe Stock
- Improved upload workflow by over **300%** measured by throughput, maintenance, and flexibility compared to similar tools

Java Supplemental Instructor | *Kean University CS/IT Department*   Jan. 2025 – May 2025
- Provided academic support for **100+ students** enrolled in the Fundamentals of Computer Science Course
- Curated lesson plans and hosted daily in-person and online sessions to boost **academic performance** by **8%** and enhance student retention of fundamental **Java** programming concepts

AI/ML Researcher | *Kean University*   May 2024 – Present
- Processed and stored over **220 million** tweets in a **MySQL** database with a **Docker** containerized web scraping program
- Manually labelled over **2,000 entries** utilizing Microsoft **Excel** to prepare data for further analysis
- Scripted multiple pipelines with **Python**, **Pandas**, VS Code, and Google Colab to evaluate the accuracy of pre-trained Hugging Face BERT-based transformers and several **NLP** libraries
- Won **2nd place** in the GMiS National Research Competition (Computing), presenting findings on the drawbacks of modern pre-trained sentiment analysis models

Projects

Published Chrome Extension | *Adobe Stock Metadata Automation*   Feb. 2025 – Apr. 2025
- Automated upload workflow using **HTML injection** and the OpenAI API to assist Adobe Stock photo contributors
- **Stats**: 30+ installs, 100+ impressions
- github.com/emanifesto/Adobe-Extension

Extracurriculars & Leadership

Student Scholar | IUSE Scholar Academy Research Program   May 2025 – July 2025
- Selected as 1 of 15 students for an eight-week intensive program for enhancing **technical** and **professional** skills
- Developed effective communication and presentation skills with **mentors**, focusing on **deliverables** through student journals, a research plan, and research poster development

Undergraduate Researcher | Freshman Research Initiative   May 2024 – July 2024
- Introduced to **Python scripting**, machine learning fundamentals, and **project management** through mentor supervision

Presentations: E. Babayemi and D. Kwak, "COVID-19: Retelling the Story Through Sentiment Analysis and Classification," (*37th Annual GMiS Conference*, San Diego, CA, October 1–4, 2025, *Kean Research Days 2025*, Union, NJ, April 21–23, 2025, *National Conference on Undergraduate Research (NCUR) 2025*, Pittsburgh, PA, April 7–9, 2025)