

Kolade Alabi

kalabiprof@gmail.com | [linkedin.com/in/kolade-alabi](https://www.linkedin.com/in/kolade-alabi) | github.com/Kalamojo | [Portfolio](#)

EDUCATION

The University of Texas Rio Grande Valley

August 2022 - May 2023

B.S. Computer Science

Major GPA: 4.0 | Cumulative GPA: 3.79

Coursework: Data Structures and Algorithms, Software Engineering I, Deep Learning, Introduction to Data Science, Programming in Unix/Linux, Computer Science I/II, OOP in Python, Advanced Data Mining & ML, Automata Theory

TECHNICAL SKILLS

Languages: Python (2yrs), C/C++ (2yrs), JavaScript (2yrs), R (1yr), Java (0-1yrs), HTML/CSS (2yrs)

Developer Tools: Git, Jira, VS Code, Visual Studio, SQLite, Slurm

Libraries & Frameworks: pandas, NumPy, TensorFlow, Keras, Matplotlib, Scikit-learn, SciPy, Flask, Streamlit, Spring Boot

EXPERIENCE

JP Morgan Chase, Software Engineering Program

Houston, Tx

Incoming Software Engineer

Expected Start: August 2023

Capital One, Technology Internship Program

McLean, VA

SWE Intern

June 2023 - August 2023

- Enabled Universal Deep Link servicing across all channels for partners like Walmart, Google Autofill, and Zelle
- Implemented changes improving ease of access to Enterprise Account Servicing Experience (EASE) application, improving linking experience for 38 million users
- Made use of Java Springboot to generate refactored hyperlinks and PostgreSQL to store EASE routes for future redirection

The University of Texas Rio Grande Valley

Edinburg, TX

Undergraduate Research Assistant

Aug 2022 - Present

- Discovered novel applications of Transfer Learning by analyzing and drawing conclusions from 5 research papers on its applications in medicine
- Held multiple meetings with University professors to plan research projects in preparation for a conference paper submission
- Researched optimal methodologies for predicting Alzheimer's in patients with blood samples

PROFESSIONAL DEVELOPMENT

Google

Remote

Computer Science Research Mentorship Program Mentee

February 2023 - May 2023

- Selected to be a part of Google's Computer Science Research Mentorship Program (CSRMP)
- Received computing research mentorship from a Google researcher
- Matched in a pod with other students who have similar research interests (Natural Language Processing)

Computer Science Summer Institute Scholar

July 2022 - Aug 2022

- Participated in a 4-week intensive computer science summer program for incoming college students led by Google engineers
- Engineered 16 webpages using JavaScript, HTML/CSS, and Bulma including a collaborative final project presented to 30+ people including Google Employees

PROJECTS

Anime TrVAE | *Python, TensorFlow, Keras, OpenCV, Pillow, Scanpy, Hugging Face, Slurm*

- Implemented a Transfer Variational Autoencoder, with datasets from Hugging Face, Google Cartoon Set, and the CelebA dataset, for bidirectional image transfers across Anime, Cartoon, and Realistic classes
- Trained custom TensorFlow models on 150,000 images across 3 different classes in GPU Cluster environment with Slurm

Some Context, Please? | *Python, TensorFlow, Keras, PRAW, Streamlit*

- Developed and deployed a Sarcasm Detection Model utilizing 2D-input Basic and LSTM Sequential models, achieving 96.7% same-distribution test accuracy
- Improved existing sarcasm detection methods by incorporating contextual information from the title of comments, resulting in more accurate predictions
- Collected and processed data from Reddit's r/politics using the Python Reddit API Wrapper (PRAW), extracting more than 2,200 sarcastic comments for training the model

NotifAI | *React, Python, Flask, PythonAnywhere, Android Studio, Expo*

- Collaborated with 2 other team members to complete the entire developmental process within 1 week and meet the submission deadline for Cohere AI Hackathon
- Employed Cohere AI's word embeddings, by way of a custom API making use of the Cohere embedding model, to enable text summarization and the extraction of main ideas