Kolade Alabi

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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: pandas, NumPy, TensorFlow, Keras, Matplotlib, Scikit-learn, SciPy, Flask, Streamlit

EXPERIENCE

JP Morgan Chase, Software Engineering Program — Houston, Tx
Incoming Software Engineer — *Expected Start: August 2023*

Capital One, Technology Internship Program — McLean, VA
Incoming SWE Intern — *June 2023 - August 2023*

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 project in preparation for a conference paper submission
- Researched optimal methodologies for predicting Alzheimer's in patients with blood samples

Peer-Led Team Learning Leader — *Aug 2022 – December 2022*
- Lead the Team Learning session for Computer Science 2 and developed weekly lesson plans by collaborating with class instructor
- Delivered insightful concept reviews, resulting in 89% retention of students from the original course

PROFESSIONAL DEVELOPMENT

Google — Remote
Computer Science Research Mentorship Program Mentee — *February 2023 - May 2023*
- Selected to be a part of Google's CS 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 JavaScripts, 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 for image transferring across different 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