Kolade Alabi

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Education

The University of Texas Rio Grande Valley *Edinburg, TX*
Bachelor of Science in Computer Science, GPA: 3.8/4.0 *August 2022 - May 2023*
- **Coursework**: Data Structures and Algorithms, Software Engineering I, Deep Learning, Introduction to Data Science, Programming in Unix/Linux, Computer Science I/II, Object Oriented Programming in Python, Advanced Data Mining & Machine Learning, Automata Theory, Applied Statistics

Certifications: AWS Certified Cloud Practitioner

Experience

JP Morgan Chase *Houston, TX*
Software Engineer I *August 2023 - Present*
- Developing a .NET PowerPoint tool to streamline the process of creating business presentations for more than 70,000 users
- Spearheading the development of an Agentic LLM Assistant for presentation creation, fit with support capabilities as well as integrations with 4 other services
- Refactoring Apache Solr powered search to AWS OpenSearch searching and indexing and MongoDB Atlas storage
- Execution Excellence Award Q1 2024: One of 5 recipients out of ~200 JPMC SEP engineers for contributions to the modernization of key application modules and sharing of expertise on AWS ECS and OpenSearch

Carnegie Mellon University *Remote*
Research Intern *July 2023 - December 2024*
- Assisting student researchers and algorithm leads from various Universities to run the DISCA deep learning pipeline, including the development of a Singularity container definition to allow researchers to install and run DISCA automatically
- Developing classification model to filter false positive particles and improve DISCA clustering performance

Capital One *McLean, VA*
Software Engineering Intern *June 2023 - August 2023*
- Enabled Universal Deep Link servicing across all channels for partners like Walmart, Google Autofill, and Zelle
- Implemented changes increasing ease of access to Enterprise Account Servicing Experience (EASE) application, improving linking experience for 38 million users
- Deployed a PostgreSQL database on Amazon Aurora, eliminating the use of a middleman service and reducing expenses by 19%
- Made use of Java Spring boot to generate and tokenize/detokenize refactored hyperlinks, following TDD throughout the process

The University of Texas Rio Grande Valley *Edinburg, TX*
Undergraduate Research Assistant *August 2022 - May 2023*
- Discovered novel applications of Transfer Learning by analyzing multiple 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
- Invited to present research findings by Google Computer Science Research Mentorship Program

Teaching Assistant *August 2022 - December 2022*
- Lead the Team Learning session for Computer Science II and developed weekly lesson plans by collaborating with class instructor
- Delivered insightful concept reviews, resulting in 89% retention of students from the original course

Activities

Google, Computer Science Research Mentorship Program *February 2023 - May 2023*
- Selected to be a part of Google's Computer Science Research Mentorship Program (CSRMP) 2023 Class A
- Received computing research mentorship from a Google researcher with a focus on Natural Language Processing

Google, Computer Science Summer Institute *July 2022 - August 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

Skills

Languages: Python, C/C++, C#, JavaScript, R, Java, SQL, HTML/CSS
Developer Tools: Git, JetBrains, Visual Studio, SQLite, Slurm, Apache Jmeter, Jenkins, SonarQube, Terraform, AWS, MongoDB, OpenSearch
Frameworks: TensorFlow, Keras, LangChain, LangGraph, Scikit-learn, Flask, Django, FastAPI, Spring Boot, React, .NET