

Kolade Alabi

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EDUCATION

The University of Texas Rio Grande Valley

B.S. Computer Science

Major GPA: 4.0 | Cumulative GPA: 3.7

Relevant Coursework: *Algorithms and Data Structures, Software Engineering I, Computer Science I/II, Introduction to Data Science, Object Oriented Programming in Python, Linear Algebra, Applied Statistics*

Edinburg, TX

Expected: May 2023

TECHNICAL SKILLS

Languages: Proficient: Python, C/C++, Intermediate: JavaScript, HTML/CSS, Beginner: R

Developer Tools: Git, VS Code, Visual Studio, SQLite, Heroku

Libraries: pandas, NumPy, Matplotlib, Scikit-learn, scipy, Flask

EXPERIENCE

The University of Texas Rio Grande Valley

Undergraduate Research Assistant

Edinburg, TX

Aug 2022 – Present

- Analyzed research papers on Transfer learning and its applications in medicine
- Conversed with University professors to plan research projects
- Developed methodologies for predicting Alzheimer's in patients with blood samples

Peer-Led Team Learning Leader

Aug 2022 – Present

- Lead the Team Learning session for Computer Science 2
- Retained 89% of students from the original course for peer-led sessions
- Collaborated with class instructor to develop lesson plans for sessions

Computer Science Summer Institute, Google

Remote

Online Participant

July 2022 – Aug 2022

- Participated in a 4-week intensive computer science summer program for high-achieving students
- Completed an introductory project-based HTML/CSS and JavaScript curriculum taught by Google engineers
- Configured 3 individual coding projects in JavaScript by using concepts such as data types and functions
- Attended product design, resume development, and software engineering interview workshops
- Delivered a collaborative final project presentation that included a live demonstration to Google employees and community leaders

PROJECTS

GameQuery/RAPI | *Python, Flask, SQLite, Bulma, Heroku*

Aug 2022 – Present

- Developed a full-stack web API with a flask server hosted on Heroku
- Utilized IGDB games API to store video game information in SQL database
- Created ranking function to parse queries and return relevant results
- Implemented Bulma API home page to display API instructions

Wayfinder | *Python, Flask, PythonAnywhere, HTML/CSS, JavaScript, Bulma*

Aug 2022 – Present

- Collaborated with 2 other team members to create a submission for Cohere AI Hackathon
- Constructed a flask API and application interface within 2 days
- Employed Cohere AI's word embedding model to enable semantic searching functionality

ACTIVITIES

High Scholars Research Program

The University of Texas Rio Grande Valley

Edinburg, TX

May 2021 – July 2021

- Competed against High School students across the Rio Grande Valley
- Placed 3rd in Mathematics and Engineering department
- Conducted Research with UTRGV Professor as mentor
- Analyzed scientific research papers and compiled data and sources