Samuel Downs

Bethlehem, GA | **(404) 482-9342** | samueldowns17@gmail.com
GitHub: https://github.com/Samuel-Downs | **LinkedIn**: https://www.linkedin.com/in/samuel-downs17/

Education

Georgia Gwinnett College   Lawrenceville, Georgia

Bachelor of Science in Information Technology   Graduation: Dec 2023

Technical Skills

- Databases: Proficient in writing programs that interact with databases using SQL, MySQL, SQLite, Oracle, and ECL, with over 2 years of experience.
- Data Analysis: Skilled in utilizing Python and Python dataframes (pandas library) for data scrubbing, analysis, and visualization, with over 1 year of experience.
- Visualization: Experienced in developing web pages for data visualizations using HTML, CSS, JSON, and JavaScript, with over 1 year of experience.

Experience

Grizzly Hacks   **Jan 2022 – Currently**
- Awarded 2nd place for the Help Missing Kids challenge at UGA Hacks 2024.

Technology Ambassadors Program   **Aug 2023 – Dec 2023**
- Developed an Audacity/Makey-Makey workshop with peers to teach sound design and Scratch to 6th-8th grade and college students.
- Presented workshop results at the 2023 CCSC:SE conference.

Information Technology Students of America   **Jan 2023 – Apr 2023**
- Achieved 2nd place in Database Design and Honorable Mention (4th place) in Business Analytics at the 2023 U.S. Information Technology Collegiate Conference (USITCC).

Women in Technology (WIT)   **Mar 2022 – May 2022**
- Became a member to support women in the technology field.
- Attended a GGC Hackathon event sponsored by WIT.
- Volunteered and assisted in filming a promotional video.

Technical Projects

- **Kids Can't Fly (Feb 2024):**
  - Quickly learned HPCC system's ECL language to query their population data and NCMEC data clusters to find correlations in the number of missing children per county FIP number.
- **Grizzly Insights (Jan 2023 to Dec 2023):**
  - Developed a Web-based application that uses web-scraped job data to suggest classes to information technology students by linking the required skills for jobs in their concentration to classes that teach those skills all stored in a JSON file. Python (Pandas library) was used for data cleaning and analysis.
- **Music Classification (Sep 2022 - Dec 2022):**
  - Used machine learning to develop an AI using python to detect the genre of music through a clip of a song in a .wav file.