Aubry McConnell

aubrymcc21@gmail.com • (843) 696-9950 • Based in Georgia, USA
LinkedIn: https://www.linkedin.com/in/aubry-mcconnell-7607711b7 • GitHub: https://github.com/aubrymcc21
Website: https://aubrymcc21.github.io/aubryminima.github.io/

Summary

Results-driven computer scientist with a strong foundation in Python, SQL, and C. Experienced in software development, database management, and cybersecurity. Seeking challenging opportunities to apply expertise and contribute to innovative solutions in the tech industry.

Technical Skills

- Java/C#/C/C++
- Algorithms & OOP
- Linux/Windows
- Oracle/SQL Server
- Cloud Computing
- Troubleshooting
- JavaScript
- Agile & ADS/AWS
- Data Structures
- Python/Scikit-learn
- Raspberry Pi
- Microsoft Office

Professional Experience

Itron | West Union, SC | C# | *R&D Firmware Tester* | *Aug 2022 - present*

- Managed the development, testing, and creation of over 20 test cases for the Gen 5 Riva meters.
- Specialized in creating test cases for temperature monitoring, TOU, and tamper.
- Refactored the code base to improve modularity and maintainability while also increasing efficiency.

CEVAC | Clemson, SC | Python & SQL | *Summer Intern* | *May 2022 - Aug 2022*

- Oversaw a team of 8 people to develop and contribute to a database with over 30 million records.
- Compiled and formatted xrefs, created several views, and created the wastewater plugin.
- Created the backend for the min-max tables which calculated the min and max temperature readings based on the building number and room type for over 30 different buildings on campus.

Clemson University | Clemson, SC | *IT Technical Support* | *Aug 2019 - May 2022*

- Systematized ticket backlog priority to improve work efficiency for over 50 daily incoming tasks.
- Helped set up, troubleshoot, and maintain a network of over 1,000 campus machines.
- Assisted in developing and testing the Autopilot software for campus machine imaging.

Projects

Gender & Age Detector | Python | 2023

- Implemented a deep learning model to highlight detected faces in the image and overlay the predicted gender and age on each face.
- Utilized the OpenCV library for efficient image processing, enabling real-time analysis of selected images.
- Rigorously tested the model to ensure the accuracy of face detection and gender/age prediction algorithms.

Stock Predictor | Python | 2023

- Designed and developed a machine learning model to predict future stock prices based on previous data.
- Implemented visualization libraries to display stock price predictions and model performance metrics.
- Ensured detailed model training to optimize the prediction accuracy and generalization of the model.

WikiBot | Python | 2022

- Created a program utilizing the Wikipedia API to retrieve topic summaries based on user input.
- Ensured smooth data retrieval to establish seamless communication with the Wikipedia API.
- Conducted thorough testing and debugging to identify and correct any potential issues, ensuring the program's stability and reliability.

Education

Clemson University, *Bachelor of Science* in Computer Science | 2023

- Dean’s List, GPA 3.6
- Minors in Cybersecurity & Communication