Aubry McConnell

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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 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

Capstone Seminar in Professional Issues II | C, Python, JavaScript, & ADS | Fall 2021
- Led a team of 4 students in developing a system to check for face masks, scan temperature, and send data to a website, ensuring compliance with health and safety guidelines.
- Utilized Azure DevOps and GitHub for version control and collaboration, enhancing project efficiency and organization.

Honors Programming | Java & Python | Fall 2019
- Worked independently to create simplified versions of Pokemon and Binding of Isaac games.

Introduction to Programming in Java | Java | Fall 2017
- Collaborated in teams of 2 on creating simple Snake and Connect Four games.

Research Thesis | 2017-2019
- Conducted a two-year research project on how media affects human psychology.
- Engaged in extensive individual research as well as networking and working with new people.

Education

Clemson University, *Bachelor of Science* in Computer Science | 2023
- Dean's List, GPA 3.6
- Minors in Cybersecurity & Communication