

JOIE WHITMON

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EDUCATION

SPELMAN COLLEGE

Atlanta, GA

Bachelor of Science, Major in Computer Science, Minor in Mathematics GPA: 3.79

Graduation Date: 2027

Technical Skills: Python, C++, p5.js (JavaScript), HTML, CSS, Microsoft Office, Google Suite

Relevant Coursework: Computer Science: C++ - CIS 123 (Spelman College), Calculus II - MATH 232 (Spelman College),

Discovering Computer Science: Python - CIS 113 (Spelman College), Calculus I - MATH 231 (Spelman College), Advanced Cybersecurity (Rockdale Career Academy), Introduction to Cybersecurity (Rockdale Career Academy)

EXPERIENCE

SPELMAN COLLEGE THEATER AND PERFORMANCE DEPARTMENT

Atlanta, GA

Office Assistant

January 2024 - Present

- Enhanced department productivity by collectively (with other assistants) designing 20+ promotional flyers, organizing 10+ events, efficiently managing phone communications, streamlining document printing and copying, and assisting with stage setup, including transporting and arranging materials.

CODEHOUSE SCHOLARS INITIATIVE

Atlanta, GA

Scholar

July 2023 - Present

- One of 25 students selected from an accomplished applicant pool of rising HBCU freshmen CS majors to receive collegiate & industry mentorship and participate in a summer bridge program consisting of accelerated CS classes, professional development classes, and entrepreneurial workshops.
- Created a portfolio of creative coding projects in p5.js (JavaScript), and learned the basics of computer science.
- Group won second place with the app, "CONNECT," prototype at entrepreneurial pitch deck contest.

CITY OF CONYERS, TECHNOLOGY SERVICES

Conyers, GA

Intern

August 2022 - May 2023

- Deployed fake phishing emails to employees; those who failed were required to complete a cybersecurity training, which decreased data loss and increased user awareness by 20%.
- Expedited the on-boarding process by 25%, through the use of a golden image (pre-configured template), rather than manually downloading all of the software needed on new devices.
- Led the comprehensive imaging of all new laptops for the Conyers Police Department, ensuring seamless integration of cutting-edge technology to enhance operational efficiency and support law enforcement efforts.

ROCKDALE CAREER ACADEMY TECHNOLOGY DEPARTMENT

Conyers, GA

Intern

August 2021 - May 2022

- Demonstrated keen ability to engage with and provide technical support to students and faculty, successfully resolving 30+ technical issues and maintaining a high satisfaction rate.
- Streamlined IT infrastructure by proactively identifying and re-imaging devices with performance issues, resulting in a 20% reduction in system downtime and a significant boost in overall productivity.
- Improved efficiency by 30%, by managing, organizing, and labeling inventory for the entire technology department.

PROJECTS

FINAL EXAM CALCULATOR - C++

March 2024

- Developed a comprehensive program to calculate and analyze students' grade averages and determine required final exam scores to achieve desired overall grades by implementing user input for grades across multiple categories (homework, labs, quizzes, tests, projects), computing averages and weighted contributions, displaying detailed grade breakdowns and current grade percentage, and utilizing C++ features such as input validation, arithmetic operations, and formatted output using the iomanip library.

CASINO GAMES: ROULETTE - Python

October 2023

- Created a Roulette simulation using Python. Players choose a type of bet and sometimes a specific number, depending on the bet type. The program will then spin a virtual Roulette wheel and land on a number between 1 and 36. Based on the player's bet and the wheel's outcome, the program will determine if the player wins and calculate their earnings. Your goal is to ensure that the game runs smoothly and the payouts are accurate.

VIDEO GAME - p5.js (JavaScript)

July 2023

- Integrated the p5.collide.js library to create a game where the user collects & avoids objects to win. Utilized if/else statements and for loops.

Affiliations: Ethel Waddell Githii Honors, Ann Fudge Scholar with The Executive Leadership Council (ELC), Girls Who Code (GWC), National Society of Black Engineers (NSBE), Spelbots, Pre-Alumnae Association (PAC), Club Innovators, Alpha Lambda Delta Honor Society (ALD), National Society of Leadership and Success (NSLS), Office Assistant with Spelman College Theater and Performance Department, Society of Women Engineers (SWE), National Society of Collegiate Scholar (NSCS)