

William Cephress

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EDUCATION

University of Georgia – Athens, GA

Aug. 2021 – May 2025

Bachelor of Science, Computer Science (Applied Data Science Certificate)

Relevant Coursework: Software Development, Software Engineering, Data Structures, Data Science I, Web Programming, Systems Programming, Computer Architecture, Computer Networks

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS, C#, C/C++

Libraries/Frameworks: Spring Boot, ReactJS, NodeJS, Pandas/NumPy, LangChain, Streamlit, Hibernate, Lombok

Developer Tools: Git, GitHub, GitLab, Jira, IntelliJ IDEA, VS Code, Unity, Postman, Maven

PROFESSIONAL EXPERIENCE

Leidos | *Associate Software Engineer Intern* – Atlanta, GA

May 2023 – Aug. 2023

- Developed an artificial intelligence chatbot using **Python** to intelligently address inquiries on bulk liquid management products by integrating the OpenAI GPT-3.5 model with **LangChain**.
- Embedded 1000+ pages of documentation into the system, presenting the project to a leadership panel using a **Streamlit** web application interface.
- Contributed to the main software application by refactoring legacy code, verifying bug fixes, and conducting comprehensive testing.
- Thrived in a collaborative team, honing cross-functional communication skills, and gaining hands-on experience in the full **agile** software development life cycle.

TECHNICAL PROJECTS (View Code at github.com/wcephress4)

Cryptocurrency Trader – Python (Pandas/NumPy) – *Personal Side Project*

- Designed a technical strategy algorithm adopting the highest percentage return on investment by rigorously back testing it against historical market data using **pandas**.
- Created an autonomous trading program using **Python** to achieve high profitability, doubling the portfolio value in the first week of operation by implementing the technical strategy algorithm.
- Ensured seamless execution of orders with a perfect order execution rate by interacting with the Bitget RestAPI.

Cinema E-Booking System – JavaScript, TypeScript, CSS (ReactJS/JSX/Vite/MySQL) – *CSCI 4050: Software Engineering*

- Developed a dynamic seating arrangement feature using **ReactJS** that updated instantly as seats were booked, providing users with live information on seat availability.
- Crafted a user-friendly interface resulting in a faster checkout process, by leveraging refined **CSS** styles that simplified navigation, optimized movie searching, and expedited ticket purchases.
- Improved system management by creating a dedicated Admin panel, allowing Admins to swiftly manage users, movies, and promotions within seconds.

EXTRACURRICULARS

CodeHub | *Project Track Member* – Univ. of GA

Aug. 2021 – Present

- Bolstered **Python** skills with LinkedIn Learning modules.
- Built a weather-based outfit selection application using **ReactJS**, **NodeJS**, and **MongoDB**.

Association for Computing Machinery (ACM) | *Member* – Univ. of GA

Aug. 2022 – Present

- Engaged in Deep Learning at UGA (DeLug) workshops and attended technical interview prep sessions.

UGAHacks 7, 8 | *Hackathon Participant* – Univ. of GA

Feb. 2022 - Feb. 2023

- Contributed to a classic arcade game remake project and engaged in collaborative problem-solving.

Intramural Sports | *Team Captain* – Univ. of GA

Aug. 2021 – Present

- Led multiple intramural sports teams, including volleyball, basketball, pickleball, flag football, and softball.