

Aridsondez Jerome

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EDUCATION

University of Central Florida

Bachelor of Science in Computer Science

Orlando, Florida

Expected Graduation Spring 2026

- **Awards:** Bright Futures Scholarship, Deans List, Foundation Exam
- **Involvement:** National Society of Black Engineers (NSBE), Knight Hacks UCF, GoodFellas
- **Course Work:** Computer Science 1 & 2, System Software, Discrete, Object Oriented Programming, Mobile Software Dev, Calculus 1, 2 & 3

EXPERIENCE

Data Analyst C++

NSBE Sponsored by Jacobs

August 2024 - Present

Orlando, FL

- **Collaborated with 3 engineering teams** (automation, civil, mechanical) to integrate data analytics into system design, resulting in a **15%** increase in water filtration efficiency and a 20% reduction in energy consumption
- Developed a comprehensive data visualization dashboard that provided real-time insights, leading to a **25% improvement** in decision-making speed and ensuring timely interventions during the system testing phase

Software Engineer

NSBE

November 2023 - Present

Orlando, FL

- **Developed** a mobile application using React Native that increased NSBE event engagement by 30%, providing real-time updates to 500+ members on event times and dates.
- **Collaborated with a team** of 10+ developers to integrate a React Native App with Google Calendar API for Event Coordination
- **Documented** 100% of the code and created comprehensive user guides, improving developer onboarding efficiency by 25% and enhancing user experience for over 500 end-users.

Tutor - Foundation Exam

University of Central Florida

October 2023 - August 2024

Orlando, FL

- Provided one-on-one and group tutoring sessions for students preparing for the Foundation Exam, focusing on fundamental concepts in C programming, **data structures, and algorithms.**
- Developed customized study plans and practice problems that resulted in **30% increase in students scores.**

PROJECTS

FREN | *JavaScript, React, Python, Flask, SQLite*

- Developed and deployed a web application replicating the functionality of Cars.com, using React for the front end and Python Flask for the backend.
- Implemented web scraping techniques to dynamically extract and update car listings from Cars.com, resulting in a database capacity up to 10,000+ Listings
- Utilized a comprehensive tech stack, including React, Python, Flask, and various libraries, leading to a 10% reduction in load times

Chess | *C++, SFML*

- Developed chess project using C++ and the SFML (Simple and Fast Multimedia Library) to create an immersive graphical interface
- Implemented various chess functionalities including move validation, check detection, and game logic handling

C Typing Game | *JavaScript, HTML, CSS, Git*

- Provided novice users with a structured platform to practice and familiarize themselves with C syntax, facilitating the learning process through interactive typing exercises
- Provided users with a diverse selection of over 1000 lines of C code snippets to practice typing, offering ample opportunities to reinforce syntax understanding and familiarity

SKILLS

Languages: Java, Python, JavaScript, C, C++, Excel, SQL, Assembly

Technologies: React, Flask, React Native, SFML/SDL, Git, Github, Terminal, VS Code, Excel, NodeJS, SQLite