EVON TROY ALEXANDER

ealex045@fiu.edu • (305)731-4717 • [GitHub](#) • [LinkedIn](#)

EDUCATION

Florida International University (FIU) – Miami, FL   July 2024
Bachelor of Arts in Computer Science, GPA: 3.6
Relevant Courses: Data Structures, Programming I & II, Discrete Structures, Computer Architecture, Professional Technical Writing, Software Engineering I, Database Management

SKILLS

- Programming Languages: Java, JavaScript, C#, C++, Python
- Web & Database: HTML, CSS, MySQL
- Technologies: Git, Unix, AWS, SharePoint

EXPERIENCE

Florida International University - STARS Student Tutor | Tamarac, FL   May 2023 – Present
- Providing support to Florida International University (FIU) students in Computer Science courses as a member of the on-demand tutoring team within the prestigious national computing corps called "Students in Technology, Academia, Research, and Service (S.T.A.R.S.)."
- Provided individual and group tutoring sessions for students in both Java, Computer Architecture, Data Structures, and Discrete Structures.

PROJECTS

Bad Poetry Generator- Java - [GitHub](#)
- Created Rhyming Poetry Generator: Developed a Java-based rhyming poetry generator, employing a custom hashtable to store words and their corresponding rhyme groups. This project entailed implementing the hashtable, reading data from the CMU Pronunciation Dictionary, and composing rhyming poems based on randomly selected word pairs.
- Optimized Poetry Generation: Designed a poetry composition system that randomly selects rhyming word pairs, producing engaging rhyming poems. Implemented an optional function to remove unrhymable words from the dataset, contributing to improved poem quality.

Java Calculator - Java | Java Swing (*Personal Project)* - [GitHub](#)
- Developed a graphical user interface (GUI) calculator using Java Swing, which allows users to perform basic arithmetic operations such as addition, subtraction, multiplication, and division.
- Implemented various Java Swing components such as JButtons, JTextFields, JLabels, and Jpanels to create an intuitive and user-friendly interface.
- Utilized Java programming concepts such as event handling, user input validation, and error handling to ensure accurate and reliable calculations.

Account Manager - Java *(Personal Project)* - [GitHub](#)
- Created an account management system in Java that displays the user's current balance and eligibility to withdraw funds from their checking or savings account with the help of a test class.
- Included various error-handling features to prevent users from over-drafting or withdrawing more than they have available in their accounts.

Extracurricular

Code Culture | Mentor   January 2024 – Present
- A Mentor in a non-profit Discord server for **2,000+ developers,** promoting innovation in technical problem-solving.
- Customize and Implement advanced bots with features such as automated moderation and customized role management, leading to a **20% increase in user engagement** and **30% reduction in moderation workload.**