Tana Desir

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EDUCATION

Bachelor of Science, Computer Science *June 2021 – April 2025*

University of Florida – Gainesville, Florida

- **GPA:** 3.61/4.0
- **Related Coursework:** Programming Fundamentals 1 & 2, Discrete Structures, Data Structures and Algorithms, Intro to Computer Organization, Intro to Software Engineering, Programming Language and Concepts
- **Extracurriculars:** National Society of Black Engineers, Women in Computer Science and Engineers, UF Adventist Collegiate Fellowship, UF Club Creole

WORK EXPERIENCE

STEP Intern – *Google, Inc., Remote FL* *May 2023 – August 2023*

- Developed integration tests for YouTube Android with OEM package using several Google developer tools which increased the velocity for local development of hardware dependent features
- Delivered pipelines using Google's Continuous Integration service to monitor the health of YouTube Android OEM package
- Completed development process, including crafting design documents, implementation, and code reviews
- Attended technical and leadership workshops by the intern team and other Googler Networks for professional development

PROJECTS

TrackIt *(GOLANG, SQLite)* *April 2023*

- Engineered a website that allows users to create an account and add virtual containers within a database to keep a visual and accessible inventory of their items
- Coded a hash and salt algorithm to encrypt users' passwords to provide security to their accounts
- Developed features such as searching, adding, and deleting items and containers from accounts by using HTTP requests to trigger the appropriate database operations
- Compiled over 35 unit tests to ensure that all the website's features worked correctly and to allow quicker detection of bugs if an update caused a fault

Interpreter *(JAVA)* *April 2023*

- Crafted a language interpreter that performs lexical analysis, scanning, programmatic semantics, interpretation, and code generation to transform high-level programming code into machine code to easily be executed

Gator AVL *(C++)* *October 2022*

- Designed an AVL tree to store and retrieve up to 100,000 students' information using insert, search, and remove algorithms
- Implemented tree (kind) traversal techniques to print student information and tree levels for debugging

Minesweeper *(C++)* *April 2022*

- Recreated a version of Minesweeper game using the C++ SFML graphics library and mouse input
- Configured testing/debugging mode, which allows developers to toggle the visibility of the mines on the board or to load file with a specific board layout

LEADERSHIP EXPERIENCE

***Gator Chapter of National Society of Black Engineers* – University of Florida, Gainesville, Florida**

Parliamentarian *May 2023 – Present*

- Establish a checklist system to ensure that board members are aware of their duty and the contents of the UF NSBE constitution
- Maintain an updated and accurate UF NSBE Constitution
- Organize and conduct a fair election at the end of the academic school year by allowing candidates to have a month to research their position and present a draft of their plans for the upcoming school year

Membership Chair *June 2022 – May 2023*

- Maintained an updated record of over 280 membership attendance for all general body meetings and events using Google forms and sheets
- Developed strategies such as prize incentives for attendance to events to increase recruitment and retention of new members (undergraduate or graduate) to the chapter
- Collaborated with the board members to update and maintain access to the database on the chapter website

SKILLS

- **Languages:** C++, Java, Python, SQLite, Golang, C, ARM Assembly
- **Frameworks & Libraries:** Simple and Fast Multimedia Library (SFML), Gin, GORM