Darion Thompson

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EDUCATION

Bachelors of Science in Biology, Minor in Computer Science   **December 2022**
University of Florida – Gainesville, FL   3.4 / 4.0
Relevant Coursework: Data Structures and Algorithms, Computer Programming - Java & C++, Discrete Structures, Operating Systems, Computer Organization, and BioInformatics.

SKILLS/LANGUAGES

Certificate: CodePath Certificate in Advanced Software Engineering
Languages: Python, C++, Java, HTML, CSS, SwiftUI, ReactJS, JavaScript
Tools & Technologies: Numpy, Pandas, SQL, GitHub, Visual Studios, Visual Studio Code

WORK EXPERIENCE

Software Engineer Intern
Podiatric Associates – Pembroke Pines, FL   **May 2022 – August 2022**
- Developed a patient login page to upload and access medical notes and records needed for referrals to further patient care
- Implemented NextGen API to automate patient check-in resulting in decreased patient wait times and increased patient throughput
- Created an automated billing system using a combination of the Square and NextGen APIs to gather patient billing information and offer an online option to pay for treatment

PROJECTS

Portfolio Website   **January 2023**
- Designed a portfolio website using Figma to create an elegant layout and plan.
- Implemented the designs using ReactJS, CSS, and MaterialUI to showcase projects and skills
- Created a contact form using EmailJS to receive inquiries

Foscars   **April 2022**
- Developed a C++ application that can manage an extensive movie data set to give recommendations based on user popularity ratings and other analytics
- Utilized a min/max heap and a map data structure to efficiently organize and retrieve qualitative data for further analysis
- Collaborated with a team of two other engineers to design and develop this application

Minesweeper   **November 2021**
- Recreated the classic game Minesweeper with all the classic features
- Added new features such as a debugging button to reveal all bombs and other test boards
- Used an SFML library to build responsive textures for the tiles, bombs, flags, and other buttons
- Implemented a recursive empty tile function to reveal all valid safe tiles if the surrounding tiles were empty

Simplified Page Rank Algorithm   **March 2022**
- Developed a simplified version of Google's PageRank algorithm where users can see the rank of connected websites
- Implemented an Adjacency List graph algorithm for improved space complexity

LEADERSHIP & ACTIVITIES

GAITOR Club – Gainesville, FL   **August 2022 – December 2022**
- Participated in hands-on workshops to gain experience with topics discussed during lectures such as Python, TensorFlow, Numpy, Kubernetes, and Docker.
- Tabled as a board member and helped new members during GBM's and club social events

Black Student Union – Gainesville, FL   **August 2018- December 2022**
- Educate and exemplify the rich cultural heritage of the people of the African Diaspora
- Worked with a team of 50+ students to plan and host social events