JACOB ORAM

Gainesville, FL | JOram1228@outlook.com | (954) 909-3652 | www.linkedin.com/in/Jacob-C-Oram

EDUCATION

University of Florida, BS in Computer Engineering   **Projected Graduation Date: May 2027**

B.S. Computer Engineering, Economics Minor   **GPA 3.55/4.00**

- ***Coursework:*** *Data Structures & Algorithms, Digital Logic & Computer Systems, AI Fundamentals, Programming Fundamentals, Intro to Software Engineering, Application of Discrete Structures, Intro to Computer Organization*
- ***Certifications:*** *Microsoft Azure Fundamentals (AZ-900), Florida Seal of Biliteracy (English & Spanish)*

Broward College, AS in General Studies   **Graduation Date: May 2023**

A.S. in General Studies, Dual Enrollment Program   **GPA 4.00/4.00**

WORK EXPERIENCE

UF-CITI Bank Data Center Power Initiative - Gainesville, FL   **Feb 2025 – Present**

Power Consumption & Data Analytics Researcher

- Utilized Splunk to analyze large-scale data metrics from CITI Bank's data centers and identified inefficiencies and optimization opportunities.
- Enhanced simulation software by programming additional features and improving accuracy by 30% to better reflect the actual performance of real world data centers.

Publix - Gainesville, FL   **Feb 2019 – Present**

Bakery Clerk

- Trained 10+ new employees on department operations, safety protocols, and ensuring premier customer service standards are met.
- Earned two job class promotions and multiple exemplary worker awards by assuming additional responsibilities outside of my role to aid the store with inventory management, unloading trucks in other departments, and cross-training in the customer service department to assist them when needed.

PROJECTS

NewTrack   **Fall 2024 – Spring 2025**

- Developed a music recommendation system that analyzes over 2.3 million data points to suggest songs playlists based on a short survey of what users want out of a song (genre, tempo, danceability, etc.)
- Offered a new alternative to traditional based recommendation systems by allowing users to custom tailor their entire listening experience.
- Collaborated with a team and I was responsible for analyzing the metadata, providing weights to each category based on users' desires, and implementing algorithms for time efficient song searches.

GameBoard+   **Fall 2023 – Spring 2024**

- Created an app that allows users to select and play different games. Built a scalable framework that allows for the future creation of more games. Currently have built Sudoku and Minesweeper from scratch.
- Designed and implemented the game logic for both games, ensuring proper functionality, adaptive difficulty scaling, and dynamic game state management.
- Incorporated an interactive GUI with user-friendly controls, a responsive design, and custom graphics to enhance player engagement.

INVOLVEMENT

UF Society of Hispanic Professional Engineers – Gainesville, FL   **Fall 2024 – Present**

Last Year Leadership Program Director

- Established corporate partnerships to secure sponsorships and provide job opportunities through events aimed at helping students in their last year of college find careers in the tech industry.
- Organized and led 5+ networking and workshop events in collaboration with multiple companies, offering career readiness skills and industry connections for graduating students.

UF Software Engineering Club – Gainesville, FL   **Fall 2024 – Present**

Tutor

- Provided one-on-one tutoring sessions for 3 students needing help with Python, C++, and DSA projects.
- Encouraged peer collaboration through hosting daily study group sessions with over 10 students per session.

TECHNICAL SKILLS

Programming Languages: *Python, C++, VHDL, SQL, JavaScript, HTML, CSS*

Tools & Platforms: *Microsoft Azure, Splunk, Git/GitHub, PostgreSQL*