Jacob Walker

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Computer Scientist Profile

Accomplished and technical-minded professional with two years of experience in mobile app development and computer design and build. Strong passion for analyzing users' needs and designing/developing software to meet needs.

Computer Science graduate with a solid foundation in programming languages such as Java, Python, and C++. Proven ability to analyze and solve complex problems through coursework projects and hands-on coding exercises. Strong understanding of software development lifecycle and methodologies, including agile practices. Familiarity with version control systems, code collaboration, and debugging techniques.

Quick learner with a passion for staying updated on emerging technologies and trends in software development.

Highly motivated and proactive. Quickly promoted to leadership position in every job I have held.

Projects

IOS: Built a fully functional social media app that utilizes SwiftUI and Google Firebase. This app simply allows users to seamlessly create a vacation and share it with friends.

Android Studio: Built a simple app utilizing Kotlin and Google Maps Api to take in multiple destinations and sort them, by time, to provide the shortest route possible.

Database: Built a task calendar software using Python, Tkinter, and SQL. This software allowed users to create tasks for a specific time and mark them as complete

Algorithms: Used Python to create a fastest path finder. This used Breadth First Search, Depth First Search, A-Star, and Greedy Best First Search to traverse a grid from point A to point B. The grid consisted of numerous shaped indicating wether it can pass through a shape or not while slowing down the search passed through.

AI: Utilized CIFAR-10 and CIFAR-100 data sets to identify the peak success rate for image classification. The success rate was determined on the number of epochs, hidden layers, and dense layers.

Java: Built a software that takes Java code and converts it into an assembly language so the system can read it. I used Antlr4 to understand the Regular Expressions and linux to perform tests.

Technical Proficiencies

Platforms: Windows | Linux | Macintosh

Tools: C++ | Java | Python | Swift | CSS | HTML | SQL | Algorithms | AI | Cybersecurity | Networking

Unity Game Engine | Unreal Game Engine | Xcode | GitHub

Hardware: Experience with design and build of high-end gaming computers

Areas of Expertise

- User Interface Development
- Full-stack Web Development
- C# Application Development
- Agile Development & Methodologies
- Experience with Qt IDE
- Requirements Gathering
- Computer Architecture
- Mobile App Development
- Software Configuration Management
- AI Algorithms
- Cross-functional Collaboration
- Problem-solving & Multi-tasking

Career Experience

Walker Tech, FL   **2022 – Present**
Founder, Software and Hardware Developer

Startup technology company focused on mobile applications and high-end gaming computers.

- Developed travel oriented social media applications for mobile phones.
- Designed and built high end gaming computers.
- Developed company website and sales portal.

Texas De Brazil, Jacksonville, FL   **2021 – Present**
Server

Welcome patrons, facilitate beverage and meal service, and elucidate operational procedures of establishment. Execute responsibilities as a shift leader, while ensuring fulfillment of closing tasks by all servers and overseeing proper closure of restaurant. Assign management shifts as per criteria and company policies. Oversee the training programs for new and existing servers, fostering a cohesive team dynamic and enhancing overall service quality.

- Attained advancement to an elevated managerial role overseeing server operations.
- Dedicated in ensuring customer satisfaction by fostering an environment where clients enjoy high-level of service.

Salt Life Food Shack, Jacksonville Beach, FL   **2020 – 2021**
Server

Advised in order selection, while utilizing proficiency in food and cocktail menus. Resolved customer complaints and related problems expeditiously to secure long-term customer loyalty, customer satisfaction, and strong brand identity. Greeted and assisted visitors with menu choices in an informative manner. Commenced employment as a busser, subsequently advanced to role of server. Delivered comprehensive details about the restaurant to patrons and addressed inquiries. Executed order-taking responsibilities and fulfilled the service of orders.

- Entrusted with training new servers and efficiently managing restaurant errands during inventory shortages, ensuring seamless operations.

Cold Stone Creamery, Yulee, FL   **2019 – 2021**
Shift Leader

Streamlined and managed daily business activities to improve overall business functions, identify new business opportunities, prepare daily reports, recruit new employees, manage forecasting and budgets, perform marketplace and trend analysis. Trained competent team consisted of ten employees to deliver exceptional service.

- Achieve set objectives along with maintaining quality standards by leading and mentoring workers.
- Achieved promotion to shift leader, showcasing leadership skills and dedication to excellence.

Dowless Blueberry Farm, Jacksonville, FL   **2017 – 2019**
Farm Hand

Operated and maintained agricultural equipment such as tractors, plows, and irrigation systems to ensure efficient farming operations. Monitored and assessed crop health, while identifying and addressing issues promptly to maximize yield and quality of produce.

- Introduced and trained new employees, facilitating a seamless onboarding process.
- Demonstrated outstanding performance, resulting in higher-paid position in recognition of hard work and commitment.

Education

Bachelor of Science in Computer Science

University of North Florida, Jacksonville, FL, 2024

Associate of Arts
Florida State College of Jacksonville, Jacksonville, FL, 2021

Extracurricular

Awarded high school varsity soccer defensive MVP winning district championship junior and senior year and placing second in northeast Florida regional tournament.

In college created startup company specializing in high end gaming computers and mobile app development.

Worked and paid my way through college without student debt.