Jacob Walker

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Computer Scientist Profile

Accomplished and technical-minded professional with over two years of experience in web and mobile app development and custom computer design. Demonstrated expertise in full-stack development, algorithms, and AI. Proven track record of analyzing user needs and delivering software solutions that meet and exceed expectations. Highly motivated and proactive, with a history of rapid advancement to leadership positions.

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.
Wordpress:	Developed E-Commerce sites using WooCommerce, Elementor, and custom code for various clients.
Shopify:	Created a fully custom Shopify store, integrating advanced features for enhanced user experience.
Android Studio:	Designed an Android app using Kotlin and Google Maps API to optimize travel routes based on multiple destinations.
Database:	Developed a Python-based task calendar with Tkinter and SQL for scheduling and tracking tasks.
Algorithms:	Implemented various algorithms (BFS, DFS, A-Star, Greedy Best First) in Python for efficient pathfinding on complex grids.
AI:	Utilized CIFAR-10 and CIFAR-100 datasets to optimize image classification models based on epochs and network architecture.
Java:	Created a tool to convert Java code into assembly language using Antlr4 and Linux for testing.

Technical Proficiencies

Platforms:	Windows	Linux	Macintosh
Tools:	C++	C	C#	Java	Python	DJango	Swift	Kotlin	CSS	HTML	Java Script	React	Node		SQL	API	JSON	AWS	Wordpress	Algorithms	AI	Cybersecurity
Hardware:	High-end computer design and build

Areas of Knowledge

- Full-stack Web Development
- Full-stack Mobile Development
- UI/UX Design
- Agile Development & Methodologies
- Algorithm Design and Optimization
- AI and Machine Learning
- Software Testing
- Database Design and Management
- Requirements Gathering
- Computer Architecture
- Cross-functional Collaboration
- Problem-solving & Multi-tasking

Career Experience

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

Engage with clients to discuss and tailor our services to their needs. Specialize in full stack development for web and mobile applications. Design and build high-performance custom computers to meet specific client requirements.

- Developed travel oriented social media applications for mobile phones.
- Designed and built high end computers.
- Developed E-Commerce and portfolio websites.

Texas De Brazil, Jacksonville, FL   **2021 – 2024**
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. Perform bartender tasks such as mixing drinks and preparing fruits for guests.

- 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, Fernandina 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.

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