Kyle Bailey

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EXPERIENCE

Phlebotomist/Lab Support Technician

Health First **November 2017 - June 2019, Melbourne, FL**

- Perform venipuncture and capillary blood collection procedures following proper techniques and safety protocols.
- Prepare, maintain, and sterilize laboratory equipment and workspaces to ensure compliance with health and safety regulations.
- Provide compassionate, professional care while interacting with patients, ensuring their comfort and addressing concerns during specimen collection.
- Collaborate with healthcare teams to ensure timely specimen collection, testing, and result communication.

Youth Soccer Coach

Soccer Shots **February 2020 - January 2022, Melbourne, FL**

- Developed strong leadership and team management skills by organizing and coaching youth teams, fostering teamwork, communication, and discipline.
- Implemented structured training programs to enhance player skills, demonstrating the ability to plan and execute strategic development.
- Demonstrated excellent communication and interpersonal skills by effectively managing relationships with students, parents, and staff, ensuring a positive and professional environment.

PROJECT

Client-Server Database Application

July 2025

- Architected a multi-role two-tier client-server system in Java, delivering two purpose-built Swing GUI clients targeting different user roles against a shared MySQL relational database.
- Integrated MySQL Connector/J to manage live JDBC connections across both clients, handling full connection lifecycle with connect, disconnect, and descriptive error state feedback.
- Designed a dual-connection architecture: one connection targets the application database for query execution, while a separate persistent background connection silently logs all user activity to an operations audit table.
- Built a SQL operation classifier in the general client that detects READ vs. WRITE queries at runtime, routing execution through the appropriate PreparedStatement path and rendering tabular ResultSet output in a dynamic JTable.
- Implemented per-user audit logging with parameterized PreparedStatements and update/insert logic — tracking individual query and update counts by username across both client types to maintain a complete, tamper-resistant operations log.

Shelfie - Personal Inventory Manager

Lead UI/UX & Lead Developer • March 2026 - Present

- Architected the full information architecture and navigation system across 8 product categories (Grocery, Beauty, Health, Wardrobe, and more), applying HCI principles to minimize cognitive load and reduce user errors.
- Designed and documented user flow diagrams for all four core task pathways — Searching, Storing, Filtering, and Reminding — ensuring consistent, intuitive interactions aligned with real-world shopper behavior.

EDUCATION

Bachelor of Science in Information Technology

Minor in Mathematics • University of Central Florida • Orlando, FL • August 2026

- Linear Algebra, Graph Theory, Calculus I, II, III, Differential Equations

Associate of Arts

Eastern Florida State College • Cocoa, FL • 2020

SKILLS

Technical Skills: Python, C, Java, Docker, SQL, Git/GitHub, Linux, Microsoft 365, Cisco Packet Tracer
Core Skills: Data Programming, Communication, Critical Thinking, AI Prompt Engineering