Noah Walker

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Education

The University of Texas at Arlington   **Arlington, TX**
Bachelor of Science in Computer Science   Graduation: May 2022

Projects UT Arlington

Automated Vending and Reservation System   Mobile Development, IOT, React Native, Python
- Senior Design capstone project to allow users to purchase items from a vending machine in advance using a paired mobile app.
- Three-tiered architecture with the mobile app as the front-end, a Raspberry Pi controlling the machine as the back-end, and Google Firebase acting as middleware allowing communication between the two.
- Served as lead mobile app developer on a team of four engineering students.

Covid 19 Database   Relational Database, MySQL, PHP, HTML
- Databases course, team project using relational database with MySQL hosted on a XAMPP server which rendered html and PHP that supported read, write, and delete operations.
- Created an EER Diagram to identify relationships between tables.

Trick Or Treat Simulator   Object-Oriented, C++, Multithreading
- Object-oriented course project to simulate users going to different types of houses one at a time.
- Each user ran on a separate thread, and each house contained a mutex to only allow one user at a time.
- The different house classes were built off a base class where they inherited attributes like the mutex and extended functions to interact with users.

Work Experience

University of Texas at Arlington   **Arlington, TX**
School Mascot   August 2021-April 2022
- Performed during basketball games and school events.
- Made public appearances and entertained fans.

Volunteer Experience

Camp Thurman   **Pantego, TX**
Counselor/Lifeguard and Ropes Instructor   June 2016-August 2021
- Started as an assistant counselor in high school, was later promoted to counselor in college, and served as a lifeguard and ropes instructor my last three summers.
- Managed groups of twelve campers and led them through individual activities and team building activities during the day.
- Monitored campers and assisted in maintenance and cleaning of pool and bathrooms.
- Lead, assisted, and belayed campers through different high ropes activates.
- Trained and evaluated potential hires during the school year.

Software Development Skills

- **Programming Languages:** JavaScript, HTML/CSS, React Native/React.js, MySQL, C++/C, Python
- **Software and Processes:** Git/GitHub, Bash/CLI, Linux/Unix, Raspberry Pi, macOS, XCode, Android Studio, Agile/Scrum Development Methodologies, Object-Oriented Design

Hobbies and Interests

- **Distance Running:** Competed in cross country in high school, completed multiple half marathons and adventure races, and a member of The Runners of Arlington.
- **Rock Climbing:** Three years of bouldering and top rope with plans to start lead climbing.