

Noah Walker

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Education

The University of Texas at Arlington
Bachelor of Science in Computer Science

Arlington, TX
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
School Mascot

Arlington, TX
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 activities.
- 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, MVC

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.