





Wesley Davenport

Software Engineer

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PROJECTS

DORMFINDER | REACT NATIVE, PYTHON, FIREBASE, EXPO, GOOGLE MAPS, ANDROID, IOS

January 2022 - Present

- Cross-platform mobile app available on both app store and Google play centralizing housing data and reviews.
- Manufactured re-usable components to minimize development time and maximize consistency. Created a consistent theme throughout the app using MaterialUI.
- Handled state management across different screens, searches, and filters. Stored user preferences locally and restored state upon starting.
- Transformed prototypes into a working cross platform mobile app using React Native. Provided development builds to run on personal devices for testing.
- Investigated and selected libraries that would work together and would be consistently maintained in the future.

HIPHOP2020 | REACT, NODEJS, SQL, AWS, UNITY, AWS RDS

August 2022- Present

- VR HipHop archive part of the Four Four Beat Project headed by Dr. Joycelyn Wilson
- Replaced Unity game interface with a specially created webpage in React to allow for easier development and re-use of code.
- Developed REST API to allow consistent and quick fetching of music meta data using ExpressJS.
- Created AWS relational database to store music meta data and provide lower response times and higher information accuracy.

ANIMAL-COMPUTER INTERACTION | REACT, PYTHON, JAVASCRIPT, CSS, HTML

August 2021 - December 2021

- Partnered with researchers from UPenn to develop a web application to calculate working dog fitness using heart rate deflection point.
- Reduced calculation time from hours to minutes and removed barriers to entry to allow widespread adoption by removing need for technical knowledge.
- Developed visualization tools to assist in processing and comprehending data.

EXPERIENCE

TEKPREPPER SOLUTIONS | CRYPTO AND GAMBLING STARTUP | NOC TECHNICIAN

July 2017 - March 2018 | Tampa, Florida

- Wrote scripts and small programs to automate task, reduce down time, and increase technician efficiency.
- Overhauled technical documentation. Updated old information and created guides and training to allow for less mistakes and quicker training.

DECISION ONE | IT CONTRACTOR | FIELD SERVICE TECHNICIAN

March 2018 - December 2019 | Remote

- Effectively coordinated with other remote team workers. Divided team goals into individual assignments, arranged meetings, and coordinated in person meetings when necessary.
- Provided high-quality troubleshooting and repairs by navigating technical documentation spanning 30 years and multiple sources.

SKILLS

PROGRAMMING

JavaScript • Java • Python • CSS • HTML • SQL

LIBRARIES/FRAMEWORKS

React Native • React • ExpressJS • NativeBase • Material UI • Firebase

TOOLS/PLATFORMS

Git • Expo • AWS • Google Maps

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

BACHELOR'S IN COMPUTER SCIENCE
January 2020 - December 2022 | Atlanta, Georgia
College of Computing

RELEVANT COURSEWORK

MOBILE APPS AND SERVICES
MOBILE AND UBIQUITOUS COMPUTING
USER INTERFACE SOFTWARE
HUMAN-COMPUTER INTERACTIONS
INTRO TO DATABASE SYSTEMS
SYSTEMS AND NETWORKS
DESIGN AND ANALYSIS OF ALGORITHMS