Youki Lewis

Software Engineer

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EXPERIENCE

C-Lock Inc, Rapid City, SD — *Data Scientist Intern*

May 2019 - April 2020

- Researched different frameworks and libraries to fit requirements for mobile app development requested by the company.
- Self-taught React, React Native, Redux, and bluetooth connectivity for mobile app development
- Created proof of concept app that allowed user interactions between user's phone and company product.

PROJECTS

Spending Tracker — *Personal*
Javascript, React, NodeJS, ExpressJS, JWT, MySQL

- Allows account registration and authentication using JSON Web Tokens to offer secure user experience
- Users can create instances of spending information and pass data to custom built API with access token verification.
- Users can keep track of spending by inputting info on spending such as item of purchase and cost

Algo Visualizer — *Personal*
Javascript, React

- Helps visual the process of popular sorting algorithms in computer science
- Includes visualization for bubble sort, selection sort, insertion sort, merge sort, quick sort, and heap sort

Control Feed App (Prototype) — *C-Lock Inc*
Javascript, React Native, Redux, Python, Bluez

- Allows users to user their phones to connect to company product via bluetooth
- Setup up backend server to handle connection and send data provided by available scripts on company product
- Provided data graphing feature on app using streamed data
- Offered users to scan for feeders and allowed a different interface to perform tasks such as calibration.

EDUCATION

South Dakota School of Mines and Technology
Rapid City, SD — Bachelor of Science: Computer Science

April 2017 - May 2020

- GPA 3.8 | Dean's List Fall 2017 - Spring 2020

University of Maryland University College (UMUC)
Okinawa, Japan — Bachelor of Science: Computer Science

August 2015 - May 2017

- GPA 3.8 | Dean's List Fall 2015 - Spring 2017

LANGUAGES

- C++
- Java
- Python
- Javascript
- MySQL
- Html
- CSS
- ARM Assembly
- R

LIBRARIES AND FRAMEWORKS

- React
- NodeJS
- ExpressJS
- JWT
- PyTest
- Redux
- Bluez
- Jest
- JavaFx
- Catch

OTHERS

- Git
- Github
- Gitlab

COURSE WORK

- Operating Systems
- Mobile Computing Development
- Graphical User Interface Programing
- Analysis of Algorithms
- Database Management Systems
- Cybersecurity
- Abstract Algebra
- Linear Algebra