Samuel C. Adkins

Aspiring Artificial Intelligence and Software Engineer
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EXPERIENCE

Directed Machines / Robot Field Technician
July 2022 - Current, Based in Seattle WA

Diagnose, repair, maintain, and upgrade robot's mechanical, electrical, and software systems.

Organize site-level business planning repositories, shipping orders, and project boards.

Performed OTA firmware updates with SSH Shell commands via Linux terminal.

Assembled new robots and upgraded older models while amending documentation to standardize systems.

Recognized anomalies and provided real-time updates and alerts to the development team to assist research and development.

Operated land care robots remotely and in-person, autonomously and manually, to clear rows between solar panels of vegetation at FPL solar farm.

Indian River State College / Genome Annotator
Sept 2019 - March 2020, Fort Pierce FL

Collaborative chromosomal length reference assembly for Diaphorina citri.

Used bioinformatics to annotate a majority of the Pentose phosphate pathway in D. citri.

Constructed a poster of my findings regarding 6-pgd for the Florida Academy of Sciences

2020 Conference.

Research published at: https://gigabytejournal.com/articles/41

EDUCATION

Florida Atlantic University / MS in Artificial Intelligence
Dec 2021 - Current (Summer 2023, Expected MS Grad. Date)

GPA: 4.00

Masters in AI NFS S-STEM Cohort II Scholar

Florida Atlantic University / BS in Engineering Computer Science
Aug 2020 - Aug 2022, Boca Raton FL

GPA: 3.98

Indian River State College / AA in Computer and Information Sciences
Sept 2017 - April 2020, Fort Pierce FL

GPA: 3.96

Excellence in Mathematics Scholarship

Phi Theta Kappa Member

SKILLS

Languages & Software: Python, C++, Java, Javascript, CSS, HTML5, WEKA, and experience with MySQL, C, ARM

Libraries: Keras, SeaBorn, SpaCy, Pandas

Tools: AWS, Git, Android Studio, Quartus, MS Teams, VS Code

Process: Agile, Scrum

PROJECTS

ARES Fitness - Hybrid App - 2022

Using the React Native framework with wrapper Expo and distributed through ExpoGo, this application was built for the military and designed to reflect their fitness website's features and data in a user-friendly mobile way. The need for a central messaging component was identified by our team, built from scratch and implemented to supply real time communication between Rangers and Coaches. Additionally, dynamic graphs were built to display user fitness data which was gathered through the application. Backend storage and databases were built with AWS DynamoDB.

Crypto Call - Native Android App - 2022

Built in android studio and consumed CoinMarketCap API to display and provide the search and favoriting of crypto currencies. Supported google sign-in method and proper user authentication with persistent data storing.

Monte Carlo Walk Simulation - 2020

Program uses Von Neumann Floating-point algorithm as a seed to a Linear Congruential Generator in parallel with a Box-Muller transformation to create a pseudorandom number generator for the RV input set. C++ was used to generate RV input sets and walk output. MatLab was then used to construct a visualization of the walk.