Jacob Sage

Website: jacobsage.com | 727-271-6660 | jacobsageucf@gmail.com | GitHub: SageJacob

Education

University of Central Florida   August 2018 – May 2022
B.S. Computer Science   GPA: 3.54

Skills

C, C#, CSS, Git, HTML, Java, JavaScript, Python, React, React Native, Redis, SQL

Experience

Amazon   May 2021 – August 2021
Software Development Engineering Intern   Irvine, CA
- Utilized React to create an internal dynamic data visualization and diagnostic web tool
- Created five REST API using Flask in Python
- Created an SQL query parser to construct data structures out of raw data contained in Amazon S3 Buckets
- Stored the transformed data in Redis, an in-memory database

AI@UCF   August 2020 – December 2020
Club Officer   Orlando, FL
- Helped manage UCF's Artificial Intelligence club with **over 950 members**
- Led team projects such as a Stock Price Predictor
- Guided research paper discussions on various AI topics such as Reinforcement Learning and LSTMs

EC-Council   June 2020 – August 2020
Machine Learning Engineering Intern   Tampa, FL
- Created software that, based on user activities within a competition, can predict the time required for future users to complete competition challenges

Esaote North America   October 2019 – November 2019
Freelance Software Engineer   Tampa, FL
- Created software in Python that reformats patients' files in mass quantity to aid the company's transition into newer equipment

Notable Projects

StockHub React Native
- A mobile stock market simulator that allows the user to practice trading with the use of real-world prices.
- Built the Login, Signup, Account, and Portfolio pages of the mobile app.

Maze Solver Python, PyGame
- Built a program that allows the user to draw a maze out of a grid and uses a search algorithm to direct Toby, the in-app character, through the maze

Compiler C
- Created a recursive descent parser that converts input from a pseudocode-like language, SimpleC, into LLVM IR machine code
- Able to parse functions, if-statements, variable assignment/declaration, and regular expressions