Jacob Sage

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

Education

University of Central Florida   Expected Graduation: December 2022
B.S. Computer Science w/ Minor in Mathematics   GPA: 3.56
Enrolled in the Accelerated Computer Science M.S. program
Leadership: Club Officer for the University's Artificial Intelligence club (AI@UCF) w/ **over 900 members**

Skills

Languages: Python, C, Java, C#, JavaScript, HTML, CSS
Frameworks: Unity, PyGame, React.js

Experience

Amazon   May 2021 – July 2021
Incoming Software Development Engineer Intern   Irvine, CA

Fitak Integrative Genomics Laboratory, UCF   September 2020 – Present
Undergraduate Researcher   Orlando, FL
- Will perform computational analysis and implement Machine Learning models to detect patterns in billions of samples of bird DNA

EC-Council   June 2020 – August 2020
Machine Learning Engineering Intern   Remote
- 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

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-game character) through the maze

Visa Job Finder React.js, JavaScript, JSX, Node.js, HTML, CSS
- Handled the front-end development of a website used to help immigrants find work based off of their visa
- Created for a group project at SwampHacks (University of Florida hackathon)

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

Relevant Academics and Coursework

Algorithms and Data Structures I/II, OOP, Discrete Mathematics I/II, Statistics, Calculus I/II, Physics I/II, Artificial Intelligence, Computer Architecture, Security in Computing