Jacob Sage

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Education

University of Central Florida   August 2018 – May 2022
B.S. Computer Science w/ Minor in Mathematics   GPA: 3.56
Enrolled in the Accelerated Computer Science M.S. program
Leadership: Past Club Officer for the University's Artificial Intelligence club w/ **over 950 members**

Skills

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

Experience

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

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