Jacob Sage

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Education

University of Central Florida   August 2018 – May 2022
B.S. Computer Science   GPA: 3.53
Clubs: AI@UCF

Relevant Academics and Coursework

Calculus I/II, Algorithms and Data Structures I/II, OOP,
Systems Software, Discrete Mathematics, Statistical Methods,
Computer Structure and Organization

Skills

Languages: Python, Java, C, JavaScript, HTML, CSS
Frameworks: React.js, PyGame
Libraries: NumPy, Pandas, Scikit-learn, Keras

Experience

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

Notable Projects

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).

SimpleC Compiler C
- Created a recursive descent parser that converts input from a pseudocode-like language, SimpleC, into LLVM IR machine code.

Breast Cancer Predictor Python, Pandas, Scikit-learn
- Used machine learning to predict whether a form of breast cancer is malignant or benign based on characteristics such as clump thickness and the uniformity of the cell's shape and size.

Pong Python, NumPy, PyGame
- Created Pong to familiarize myself with the PyGame framework.
- Currently attempting to make an AI learn how to play Pong through the use of deep reinforcement learning.