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Personal Site: https://ksmeeks0001.github.io/

Objective:
To obtain a position in software development in which I have the opportunity to grow as well as to contribute.

Experience:

Manufacturing Programming Intern
Schneider Electric
(September 2019 – Present)

Work on projects independently as they are assigned.
Used node-red to make Modbus TCP requests to PLCs controlling production lines.
Simplified the process for Quality Engineers of obtaining defect information and the manufacture defect rate.

Undergraduate Research Assistant
Kentucky State University
(June 2019 – Present)

Responsible for the development of a web application to support farmers.
Used the Python web framework Django to create a dynamic web application.
The site included login/registration, file repository, and a forum with notifications.
Incorporated drone image analysis, written in R, into the web application to provide additional tools to small farmers.
Further development in progress.

Upward Bound Robotics Instructor
Kentucky State University
(Summer 2019)

Upward Bound is a federally funded program for low income or at risk high school students. My role was to create lessons and provide instruction in the field of robotics. Over the 5 week summer program students were introduced to skills such as:
Programming in C++ and using the Arduino IDE to upload code.

Using a breadboard to create LED and speaker circuits.
Putting together the robot car.
Differences in navigation methods for robots (predetermined paths vs. AI with sensors).

Education: Bachelor of Science in Computer Science, degree anticipated May 2020
Kentucky State University
Frankfort, Kentucky
Current GPA 4.0

Projects:

Text Adventure: https://github.com/ksmeeks0001/Text-Adventure-Generator
(Ongoing Project)
Object Oriented Design.
Used python CMD module to receive commands from user.
Read and write JSON and pickle (python binary) files with python to create dynamic locations for players to visit.
Users can create their own text adventure without the need to code.

Black Jack Game: https://github.com/ksmeeks0001/black_jack

Created a representation of Black Jack Using C++.
Used Object-Oriented Programming to create representations of cards, decks, and hands.

Smart Car Simulation:
Worked as part of a team during an IBM Hackathon (2018).
The project incorporated IBM Watson to create a simulated conversation with a smart car.
My role was creating the back end service in Node-Red that allowed our webpage to interact with an IBM Watson Assistant.

Skills: Knowledge of Python, C++, and Javascript
Linux experience
Familiar with HTML and CSS
Git and GitHub experience
Familiarity of Agile methodology
Ability to troubleshoot and use resources to solve problems