Joel Hilliard

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EDUCATION

University of Missouri - Columbia   **May, 2023**
Bachelor of Science in Computer Science   3.20 GPA
- Delta Kappa Epsilon
- Deans List - Fall 2019, Spring 2020

PROJECTS

COVID-19 Trend Tracker
- Retrieved Covid-19 infection data (AJAX) and displayed it on the front-end using JavaScript
- Utilized AWS and MySQL allowing users to create an account and get local data
- Provided useful information on how to stay safe and how to get help

Asset Tracker
- Stored user stock holdings - including ticker symbol, amount held, and purchase price
- Pulled current stock prices from an API using Java - compared previous purchase price against current price to calculate profit
- Utilized MVC (Model-View-Controller) architecture to design the application
- Displayed the profit/loss in a graph using a JavaFX application

Personal Portfolio Website
- Displays my past classes and projects using HTML and CSS
- Also available on Web 3.0 using IPFS and Blockchain technology to distribute the website over the ethereum network

Mars Rover Image Retriever
- Allows users to enter the SOL (Day on Mars) and camera option they want to view
- This data is then used to pull the appropriate image from the NASA API using Javascript
- The retrieved image is then display on the frontend

To-Do List
- Retrieved User input using HTML forms - stored the retrieved input into a list of objects using JavaScript
- Displayed all the 'Task' objects on the front-end
- Stored the list of 'Task' objects in local cache - allowing for a user to exit the website and return to the same data later on
- Implemented a delete function that removed the appropriate task based on the task title

Computer System Usage Monitor
- Retrieved and stored computer usage data from local system files using Java
- Compared, and displayed on graphs the usage information, including average CPU usage and current CPU usage, using Java-FX
- Created reset functionality to clear out previous data and graphs

WORK EXPERIENCE

Origo   **Jun. 2018 – Jun. 2021**
Warehouse Worked   St. Louis, MO
- Organized and packed 100s of orders which demonstrated organization and teamwork

UPS   **Jun. 2020**
Assistant to Delivery Driver   St. Louis, MO
- Organized the back of truck and ran deliveries to houses working closely with the Driver

SKILLS

C, Java, JavaFX, HTML, PHP, MySQL