Sam Wilson

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EDUCATION

Texas Tech University   **Lubbock, TX**

B.S. Computer Science, Minor in Mathematics   *Graduation Date: May 2023*

John Cabot University   **Rome, Italy**

MA 495 - Differential Equations

CERTIFICATIONS

JPMorgan Chase & Co

Software Engineering Virtual Experience   *Dec 2021 - Jan 2022*

- Set up a development environment to update existing code libraries
- Make changes to relevant trader information through a server using JPMorgan's Perspective software
- Python, React, data visualization

RELEVANT SKILLS

Python, Java, C, Javascript, React, MongoDB, OpenCV, Next.js, Node.js,

PROJECT EXPERIENCE

Six Degrees of Kevin Bacon   **Lubbock, TX**

Inspired by https://oracleofbacon.org/   *Sep 2022 - Nov 2022*

- AI graph search problem to find degrees of separation between Kevin Bacon and any actor using a JSON file containing 140,000+ films and their cast lists.
- Implement a Breadth-First Search algorithm to find the shortest path between the target and source actors.
- Python, JSON

TempestTunes   **Lubbock, TX**

Weather based playlist curation for Spotify   *Aug 2022 - Dec 2022*

- Connect to a user's Spotify account using Spotify API to connect to the website and access permissions to create and push playlists.
- Integrated Spotify API and OpenWeatherMap API with the website to enable users to link their account, granting access to create & push playlists.
- React, MySQL, Javascript

HackWestTX Hackathon 2022 by GDSC   **Lubbock, TX**

Parking lot detection   *Feb 2022 - Feb 2022*

- Lead a team to create an algorithm to detect empty parking spaces in a parking lot from pictures taken by a drone
- Implemented in Python using OpenCV