Steven James

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Education

University of Illinois at Urbana-Champaign Champaign, IL
Bachelor of Science in Statistics and Computer Science *Aug. 2020 – May 2023*

Experience

Software Development Intern January 2022 – August 2022
Fitch Group *Chicago, IL*

- Made a company-wide demonstration of event streaming and schema evolution using Kafka and Schema Registries
- Partnered with Solo to establish a cutting-edge developer portal to publicly host 14 API's used by thousands of companies
- Reworked APIs built with Crnk to use Spring Boot and Spring HATEOAS

Shadow Experience June 2019 – July 2019
First Trust Portfolios *Wheaton, IL*

- Worked with data administrators and learned how to create and manage databases, as well as help software developers access and work with the databases
- Shadowed software engineers and project managers, learning how to work on large-scale projects and manage teams

Projects

PanExpedia Pandemic Travel Guide | *Python, Flask, JavaScript, GCP* March 2022 – May 2022

- Developed a travel guide for the pandemic using country, airport, and covid datasets containing nearly 15,000 data points in total, also incorporating user-generated data
- Created a database and hosted it on Google Cloud Platform, and personally used SQL and python to connect to the web application
- Personally connected the frontend and backend using Flask and JavaScript, while also developing a basic functional

BitCoin Trust Network | *C++, Git* April 2021 – May 2021

- Led a group of three to develop a program in C++ that allows users to see general trends of trustworthiness among over 5,000 BitCoin traders, allowing users to find potential trade partners
- Developed a data visualization that allows users to view all possible traders in a graph format
- Implemented Dijkstra's Algorithm as a means of finding trustworthy trade partners by tracking over 35,000 unique trades between users

A* Pathfinding Visualization | *C++, Cinder, Git* October 2020 – November 2020

- Built a visualization of the A* Pathfinding Algorithm using C++ and the Cinder library
- Illustrated how the algorithm works in real-time, allowing the user to control the start and end points facilitating

Technical Skills

Languages: C/C++, Python, Java, SQL, JavaScript, HTML/CSS, R
Developer Tools: Git, Docker, MySQL, Google Cloud Platform, Agile Development
Concepts: Data Structures, Algorithms, Operating Systems, System Programming