Jonathon Steeves

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Education

Bachelors of Computer Science, Honours, Minor in Economics
Carleton University, Ottawa, Ontario
Third year standing
CGPA 8.88/12 (**B**)

Skills

Programming Languages: Python, C/C++, Java, JavaScript, HTML, CSS/Bootstrap, Git, SQL

Data Science and Machine Learning: Python (Scikit-Learn, Numpy, Pandas, Matplotlib, Seaborn)

Software Development: ReactJS, ETL-Development, Data Integration, Data Structures, Object Oriented Programming, Systems Programming, General Scripting

Work Experience

Software Developer, Shared Services Canada   (Ongoing)

- Currently Working within the Enterprise Data Integration Division, contributing to the federal government's IT infrastructure through technical development of the operational data store.
- Designed and developed a solution to automate the ingestion of newly added file sources into the data warehousing system, helping streamline the creation of further ETL pipelines.
- Collaborate with coworkers daily to build robust solutions for non trivial tasks to create lasting software

Projects

Pathfinding Algorithm Visualiser - [Github](#)
- Used popular python libraries such as Pygame, Tkinter to create a user interface.
- Practiced implementing different node based search algorithms by creating individual classes for each element of the program. Algorithms include, Depth First Search, Breadth First Search and A*.

CU InSpace Rocket Recovery Team - [Github](#)
- Currently collaborating with an aerospace student to design and create the parachute recovery system for the Carleton Universities rocketry team.
- Developing a software solution to run embedded within the constraints of an arduino nano.
- Writing the program using C, that will read altitude data from a barometric sensor, then release the parachute at the appropriate height, in order to ensure a safe and accurate landing.

CuHacking 2021: Snowed In Hackathon - [Github](#)
- Designed and built a fan engagement web-app demo for the Ross Video Challenge.
- Collaborated with a teammate to delegate project responsibilities between our suited skills sets to ensure a product could be created and submitted in a timely manner.
- Learned popular web development tools to deploy and manage the web-app.