Darnell Foster

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https://github.com/darnell-foster

EDUCATION

Carleton University   **Ottawa, ON**
Bachelor of Computer Science (co-op)   **Sep 2021 - Present**

AREA OF STRENGTH

Languages:	Java, Python, HTML/CSS, C/C++, JavaScript, SQL, Bash
Tools:	Git, MS office, Outlook, Teams, Jupyter, Unity, Docker, Node.js, VirtualBox hypervisor
Soft Skills:	Remote work, initiative, responsibility, communication, adaptability, ability to meet deadlines under pressure, ability to work independently and in team environments, time management
Hard Skills	Git version control, networking fundamentals

PROJECTS

Web Scraper (Oct. 2022)
- uses the JSoup library to parse and scrape HTML of job listings from LinkedIn
- prompts the user to enter a location and keywords for their job search, and replaces spaces and commas in the user input with their corresponding hexadecimal ASCII values
- uses the user input to construct a URL and sends a HTTP request
- Prints the title and jobs of the first page of the returned search
- Utilized Docker to containerize the application

File Server Project (Jul. 2022)
- Implemented a TrueNas file server, including repairing and refurbishing old computers
- Utilized old hard drives to create storage pools through disk mirroring and striping
- Selected and configured optimal RAID hard drive setup for desired server operation and performance.

The Bizzare Adventure(Apr, 2023)
- Worked in a four-person team to develop a 2D platformer using Godot game engine
- Responsible for coding game mechanics using GDscript
- Contributed to the art and sound design of the game.
- Played an integral role in coordinating weekly meetings and managing the project on GitHub
- Was responsible for exporting the game to an HTML executable, and hosting it on Itch.io

Cook-Book (Oct, 2023)
- Developed a recipe search web App using the React framework in order to create a user friendly interface allowing users to search recipes effortlessly.
- The application offers various features, including recipe searching, meal type filtering enabling users to refine their search results based on their dietary preferences, and pagination buttons for easy navigation through search results.
- Integrated external APIs to ensure users have access to a vast array of culinary options.
- Practiced safe use of API key, and ID

CERTIFICATIONS

Google IT Automation With Python - (Coursera, June 2023)
- Using Python to Interact with the Operating System - Coursera, June 2023
- Crash Course on Python - Coursera, May 2023
- Introduction to Git and GitHub - Coursera, June 2023
- Troubleshooting and Debugging Techniques - Coursera, June 2023
- Configuration Management and the Cloud - Coursera, June 2023
- Automating Real-World Tasks with Python - Coursera, June 2023