

## Darnell Foster

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### EDUCATION

**Carleton University**

Bachelor of Computer Science (co-op)

**Ottawa, ON**

**Sep 2021 - Present**

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### AREA OF STRENGTH

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

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### 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 and ensure consistency in development and production environments.

#### PyCalculator (Sept. 2022)

- simple calculator program written using the Tkinter library for creating GUI's.

#### File Server Project (Jul. 2022)

- Implemented a TrueNas file server, including repairing and refurbishing computer equipment
- 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, allowing us to work efficiently and meet deadlines.
  - Was responsible for exporting the game to an HTML executable, and hosting it on Itch.io
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### EXPERIENCE

#### Hackathon - (Oct. 2021)

- Worked with team to code a data visualization platform using Python (matplotlib), HTML/CSS
- Used planner board to track project milestones and progress
- Attended seminar on intro to hacking
- Participated in live coding (timed) Data Science and AI challenges
- Attended workshops (intro to network tunnels, GraphQL, AI)

### CERTIFICATIONS

- Using Python to Interact with the Operating System - Coursera, June 2023
- Crash Course on Python - Coursera, June 2023
- Introduction to Git and GitHub - Coursera, June 2023