

Darnell Foster

(613) 606-9297 | darnellfoster12@gmail.com | <http://darnellfoster.com/> | <https://github.com/darnell-foster>

EDUCATION

Carleton University

Bachelor of Computer Science (co-op)

Ottawa, ON

Sep 2021 - Present

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

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)

Vision Tax Services (2020)

- Performed regular systems upkeep to ensure smooth operation and data integrity
- Assisted with the organization and management of company's data.