Chase McDougall

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PROFESSIONAL EXPERIENCE

International Business Machine (IBM)   **Markham, ON**
Software Developer (Internship)   *May 2022–Present*

- Created a platform for managing products and product performance in **Ruby on Rails**
- Created a **Generative AI** backed 'chatbot' to enhance teaching instructions (**TypeScript**, **NestJS**)
- Created a **Generative AI** backed learning environment for people to practice **prompt engineering**
- Contributed to **Open Source Generative AI** frameworks: **LangChain**, GPT4All
- Developed **Ruby Models** for a **PostgreSQL** database to improve marketing/management
- Developed bulk-management features and **API**s to decrease instance management time by 90%
- Built and Maintained **GitHub** Actions

Royal Canadian Mounted Police (RCMP)   **Ottawa, ON**
Software Developer (Internship)   *May 2021–September 2021*

- Developed and deployed custom **MISP Python** modules
- Enhanced and implemented authentication for a **Django** web app
- Developed and Deployed automated **Cypress** test suites to **Azure** DevOps Pipelines
- Prepared clear and concise technical documentation

EXTRACURRICULARS

University of Toronto - Orientation Committee   **Toronto, ON**
Vice Chair Leadership   *April 2023–Present*

- Oversee creation of training content for 1000 volunteers
- Manage a team of 40 head leaders that then directly oversee the 1000 volunteers

University of Toronto - Orientation Committee   **Toronto, ON**
Head Leader   *April 2021–April 2023*

- Developed leadership skills through managing teams of 40+ student volunteers and 60 incoming students, while running the University of Toronto's first large scale in-person event since initial shutdowns

University of Toronto - Robotics for Space Exploration   **Toronto, ON**
Rover Autonomy Developer   *March 2021–Jan 2022*

- Assembled **Raspberry Pi** powered Mini Rover for user in testing rover software
- Documented Mini Rover assembly and setup

EDUCATION

UNIVERSITY OF TORONTO - Bachelor of Applied Science in Engineering Science   **Toronto, ON**
Major: Machine Intelligence | Minor: Engineering Business   *2019 - 2024*

ADDITIONAL SKILLS

- Python, Ruby, Java/TypeScript, SQL, C, Node, GitHub, Customer Service, API Development, Docker, Kubernetes, Flask, Django