

TADG O'HARE

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EDUCATION

Carleton University

Bachelor of Computer Science

Ottawa, ON

August 2020 – May 2025

Westdale Secondary School

French Immersion Certificate

Hamilton, ON

September 2016 – June 2020

EXPERIENCE

Data Analyst/Project Support Officer | PowerBI, Sharepoint, Excel

Current Employer as of May 2024

- Created PowerBI dashboards for various programs in HR to track progress
- Migrated data from outdated systems to SharePoint for easier access and better collaboration between teams
- Altered tracking programs to have data structured in a way that can be easily analyzed and visualized by reporting software
- Analyzing large datasets to find trends and patterns to help with decision making
- Created a desktop application to automate data entry into fillable forms to clear backlog and reduce human error
- Gained the ability to solve technical problems and communicate with non-technical staff working with a non-technical team and solving technical problems independently without the help of management
- Learned professional communication skills working in a HR environment

Student Systems Engineer

May 2022 - September 2022

Canadian Air Transport Security Authority (CATSA – ACSTA)

Ottawa, ON

- Upgraded systems for a return to work in a post-COVID working environment
- Worked on creating tools to further help with workflow tasks
- Spoke both English and French in a professional environment

PROJECTS

Relax Project | Java, Relational Algebra

September 2024

- Relational algebra query tool
- Does standard relational algebra queries/operations on CSV tables (sigma, pi, natural join, etc.)
- Bonus project on Github for database management class

MakerCon | JavaScript, Node.js, React Native, Google Cloud

March 2023

- Smartphone app that identifies colour, text and different objects to help those who are visually impaired
- Uses Google Vision API to identify objects and text and uses Google Text-To-Speech API to read the data aloud
- Mobile component of application built using React Native

Diary AI | JavaScript, React, Python, OpenAI

January 2023

- AI powered journaling web application that follows up on entries
- Used OpenAI GPT-3 to compound prompts in a Chat-GPT way but for larger responses.
- Helps users writers block by formulating custom response prompts

OASIS Shock Therapy Device | C++, QT

November - December 2022

- Simulation of an OASIS home shock therapy device that achieved 80% of the original device's functionality
- Consisted of using C++ and the QT framework for the GUI
- Project was conducted using software engineering paradigms such as UML diagrams and Agile Development

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, Haskell, LaTeX

Frameworks: React, React Native, Node.js, MongoDB/Mongoose, QT, Google Cloud

Developer Tools: Git, VS Code, Visual Studio, Bash/ZSH, Powershell

Certifications: Have held multiple security clearances for Government of Canada as high as Secret