

GREG SHERMAN

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EDUCATION

University of Toronto

Candidate for Bachelor of Science in Computer Science

- GPA 3.84 / 4.0

Toronto, ON

Sept 2020 – April 2024

WORK EXPERIENCE

Software Engineer Intern, TD Bank Group

- Handled data processing in **Alteryx** using **Python** and **Pandas**; prepared large workflows for seamless integration.
- Recommended changes to source data that facilitated a **91%** reduction in the runtime of a substantial workflow.
- Achieved plenty of experience with **Agile** methodology.
- Utilized **SharePoint** API to automate downloads/uploads to and from workflows within a restricted **Python** environment.

Toronto, ON

May 2022 – Aug 2022

IT Intern, RPM Technologies

- Formed a graphical metrics interface to allow the searching of client metrics with ease.
- Worked in a team of two to create a seamless **Grafana** UI that is friendly to any size screen.

Toronto, ON

July 2019 – Aug 2019

PROJECTS

TextGameEngine

- Constructed, in a 6-person team, a text-based game creator and player using **Java**, **JavaFX**, and **Git** while utilizing SOLID principles and Clean Architecture rules to maintain clean code throughout the development cycle.
- Implemented saving game instances and loading them back into the UI editor or to the game player using **RDF**.
- Decided on and incorporated the visual design of the editor to maintain a modern, easy to use feel.

Sept 2021 – Dec 2021

Connect X

- Collaborated in a 4-person team setting using **Python** and **PyGame** to create multiple difficulties of AI in Connect X, a Connect 4 game at any height & width of board.
- Implemented the AI portion, including a nearly unbeatable **Monte Carlo Tree Search** algorithm, and collected statistics of how well they performed.

Mar 2021 – April 2021

Climate Change in Media

- Worked in a 4-person team using **Python** to discover statistics about climate change mentions in media and their relation to the politics of the news outlet.
- Developed the article search algorithm for key words related to climate change in over 5 million article titles.

Nov 2020 – Dec 2020

SKILLS

Languages

Python, Java, C, JavaScript, HTML, R, Assembly

Tools/Frameworks

React, JavaFX, Git, IntelliJ, Pandas, Jira, SharePoint, Confluence, Alteryx, RDF, LaTeX