

Toman A. Aleksiev

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Education

Bachelor of Engineering, Software Engineering

(January 2022 – Present)

Carleton University, Ottawa, Ontario

Bachelor of Engineering, Mechanical Engineering, Co-op

(September 2019 – December 2021)

Carleton University, Ottawa, Ontario

Skills

Programming: Python, Java, C, C++, HTML, CSS, Javascript, React

Tools & Frameworks: Photoshop, IntelliJ, Linux, VIM, VSCode, Sublime, Eclipse, PyCharm, GitHub, Power BI

Programming Concepts: Operating System, Object Oriented Programming, Algorithms and Data Structures, Software Design Patterns

Languages: English (Fluent), Bulgarian (Fluent)

Projects

Flappy Bird with Neural Network

(November 2021)

- Cooperated to recreated the game “Flappy Bird” using pygame. In addition, a neural network was created, without using existing tools, to have the birds learn how to play.
- Made all visuals by hand.

Maze Maker

(March 2024)

- Created a webpage in which one could watch a maze be generated, new maze every time, with specific parameters that the user has provided.

Elevator Simulator

(January 2024– April 2024)

- Worked with a team to create an elevator simulator using Java.
- The program will take in an input file containing the time of request, floor number of pick up and drop off. It would then simulate how the elevators will carry out each incoming request.

Work Experience

Elections Canada

(May 2023 -Present)

Website Developer

- Design, develop, update, and maintain the internal webpages of Elections Canada.
- Develop tools to aid in organization and speed up development time. On example of this is converting web elements into components; another example is creating an “archived” web page that stores, organizes, and displays old iterations of webpages.
- Designed and developed the front-end (using MS Power BI) and back-end (MS Excel and MS Access) of the Talent Management system that contains holds the staff of Elections Canada, their skills, and the applications they are working on.

Canadian Heritage

(May 2022 - September 2022)

Website Tester

- Research and use automation software to help preform tests faster.

Hybrid Work

(April 2021 - Present)

Math, Chemistry and Physics Tutoring

- Online High School tutoring using tools I have built in Python.