

# Toman A. Aleksiev

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## Education

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### Bachelor of Engineering, Software Engineering

(January 2022 – May 2025)

Carleton University, Ottawa, Ontario

- **CGPA:** 8.71/12 (B), **Expected graduation:** May 2025

### Bachelor of Engineering, Mechanical Engineering, Co-op

(September 2019 – December 2021)

Carleton University, Ottawa, Ontario

## Skills

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

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

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

**Languages:** English (Fluent), Bulgarian (Fluent)

## Projects

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### 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

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### Elections Canada

(May 2023 -Present)

Website Developer

- Design, develop, and maintain the internal webpages of Elections Canada.
- Updating content and design of the webpages to be more user friendly and interactive.
- Develop tools to aid in organization and speed up development time.

### 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.

### Irpinian Kitchen's

(June 2021 - September 2021)

CAD Technician

- Used CAD software to map working space.
- Helped interpret technical drawings and relayed concerns or questions about drawings to supervisors.