

# LABIB SARWAR

Computer Science Student  
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labibsarwar.com

## TECHNICAL SKILLS

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### Programming Languages

- Python, Java, C++, JavaScript, HTML, CSS, Azure KQL

### Computer Networking

- Experience in configuring switches, routers, and end devices in a network with Cisco.

### Technologies and Software

- Visual Studio Code, Git/Github, Arduino, Microsoft Azure, Microsoft Office, Cisco PacketTracer, Autodesk TinkerCAD

### Operating Systems

- Microsoft Windows, macOS, iOS, Android, Linux Ubuntu

### Concepts

- Object-Oriented Programming, Web Development, Electrical Circuitry, Game Development, Memory Registers

## EXPERIENCE

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**Undergraduate Science Society of Toronto Metropolitan (USSTM)**  
*Yearbook Committee - University Extra-Curricular*

November 2023 - Present

**SATEC @ W.A. Porter Collegiate Institute**  
*Peer Tutor*

September 2022 - June 2023

## EDUCATION

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**Toronto Metropolitan University (formerly Ryerson)**  
B.Sc. (Honours) in Computer Science

*September 2023 - Present*  
*Toronto, Canada*

Coursework:

Discrete Mathematics, Computer Organization I/II, Computer Science I (**Python**), Computer Science II (**Java**), Calculus I

Overall GPA: 4.13/4.33

## PROJECTS

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### ***Stranded (Game Development) -***

- Stranded is a **Python** project that is a game about a character lost in space. The objective of the game is for the user to complete a series of levels to get its character to the end.
- Used **pygame** library on **Python 3.0** to develop user-interactive 2-D world explore game.

### ***Personal Portfolio (Web Development) -***

- Used **HTML**, **CSS**, and **JavaScript** to design a responsive and mobile-compatible personal portfolio website.

### ***Traffic Light Simulator (Arduino Circuitry and Programming) -***

- This is an **Autodesk TinkerCAD** design that includes a simulation for a programmed **Arduino** that implements a light pattern on a circuit to simulate a four-way traffic light.
- Used **C++** programming language to code Arduino microcontroller

## COMPETITIONS

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- Waterloo Canadian Computing Competition (Python) - 2023
- Euclid Mathematics Contest - 2023
- Canadian Senior Mathematics Contest - 2022

## CERTIFICATIONS

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*Cisco Certified Network Associate (CCNA I)*

*Issued May 2022 by Cisco Networking Academy*