

# Jimmy Liu

## Secondary School Student

A motivated and dedicated student and developer

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## EDUCATION

### High School

William Lyon Mackenzie Collegiate Institute  
MaCS enriched program

09/2019 - Present

North York, ON, Canada

## EXPERIENCE

### Innovation Developer

Royal Bank of Canada

07/2022 - 08/2022

Toronto, Canada

#### Achievements/Tasks

- Built a full web application using Angular 10 and FastAPI in 2 months, demoed to RBC executives and directors
- Collaborated with a team of 12 developers

### Computer Science Club Vice President

Mackenzie Computer Programming Team [🔗](#)

10/2021 - Present

North York, ON, Canada

Competitive programming club at William Lyon Mackenzie C.I.

#### Achievements/Tasks

- Prepared and organized game development lessons for over 100 club members
- Hosted a province-wide [hackathon](#) for high school students

### Front-end Project Lead

Project Metropolis

02/2022 - Present

North York, ON, Canada

William Lyon Mackenzie C.I.'s official website and app development team.

#### Achievements/Tasks

- Constructed the school's [website](#) client interface
- Harmonized with the backend and graphics design team

### Assistant Badminton Instructor

Canadian Junior Badminton Association

07/2021 - 08/2021

Richmond Hill, ON, Canada

#### Achievements/Tasks

- Operated a badminton summer camp of 30 children with 2 other volunteers

### Snowboarding Assistant Instructor

Snow Land Club Nonprofit Organization

12/2020 - 01/2021

Barrie, ON, Canada

#### Achievements/Tasks

- Taught young beginner snowboarders basic skills and safety

## PROGRAMMING KNOWLEDGE

Python

Java

C++

C

HTML/CSS

Javascript

React.js

Angular

Git

Linux

## PERSONAL PROJECTS

Discord Bot Online Judge (03/2021 - Present) [🔗](#)

- An open competitive programming online judge platform hosting 9 contests, 16 programming languages, and over 60 problems
- Served over 50 participants and contest organizers

FizzBot (03/2021) [🔗](#)

- A League of Legends helper bot made using Discord and Webscraping

AI Head Movement Mouse Stimulator (08/2021) [🔗](#)

- An artificial intelligence face tracker that stimulates mouse clicks and movements for disabled people

## CERTIFICATES

Canadian Computing Competition Honour Roll (02/2022)



Achieved Group 4 Honour Roll with score 43

Ignition Hacks 2021 Division Delta Best Education Hack Winner (08/2021) [🔗](#)

picoCTF Capture The Flag Competition 3rd Place in

CanHack (05/2022) [🔗](#)

Esteemed international cybersecurity competition held by Carnegie Mellon University

Scholastic Aptitude Test (SAT) (10/2022)

Achieved score of 1510: 99th percentile within all international participants

LyonHacks 2021 Honourable Mentions (03/2021) [🔗](#)

## SKILLS

Leadership

Positivity

Empathy

Problem Solving

## INTERESTS

Badminton

Chess

Skiing/Snowboarding

Math Contests