

Muhammad Wasif Kamran

IB DP2 Student - Merivale High School

✉ muwasifk@outlook.com

☎ 343 961 2130

📍 Ottawa, ON

🌐 muwasifk

Experience

Co-Founder & Fullstack Developer

United Coding Tournament

📅 May 2021 - Present

🔗 theuct.ca

- Developed frontend code using Tailwind CSS and set up base infrastructure to improve efficiency for web development team.
- Developed backend using Go(lang) including services such as competition hosting, authentication, database connections.
- Set up hosting on Amazon Web Services with Cloudflare SSL and Google Domains.
- Currently assisting two new additions to the web development team and improving contest features based on user feedback.

Math Circle Instructor

The Auxilium

📅 October 2021 - Present

- Created resources and taught lessons on a weekly basis for elementary and middle school students seeking to score well on University of Waterloo CEMC contests.
- Covered a significant portion of necessary algebra, number theory, and combinatorics content for students to maximize their performance.

Projects

Competitive Programming

🌐 muwasifk/competitive-programming

- Solutions to over 200 competitive programming problems on online judges. Templates for data structures, graph theory, and dynamic programming algorithms.
- **Technologies Used:** C++, Python

Medicpad

🌐 muwasifk/medicpad

- Prototype of a web application to increase efficiency between doctors and patients. **3rd place** at Queen's SC Programming Challenge 2022.
- **Technologies Used:** Django, HTML/CSS/JS, Tailwind, Charts.js

Stock Dashboard Prediction

🌐 muwasifk/stock-dashboard-prediction

- A dashboard for stock/profit tracking with LSTM to predict the future of any stock. Submitted as ICS3U summative and received 4+, highest possible mark.
- **Technologies Used:** Python

Qualifications

Languages

C C++ Python Visual Basic Kotlin Go

Development

HTML/CSS Tailwind Django GORM Bootstrap PostgreSQL SQLite

Tools

Git Linux LaTeX AWS Cloudflare

Education

OSSD & IB Diplomas

Merivale High School

📅 September 2020 - June 2024

- Leader of Computer Science, Math, and Chemistry Clubs
- 96.3% top 6 average
- Higher Levels: Math AA, Physics, Chemistry
- Standard Levels: History, French, English

Achievements



American Invitational Math Examination Qualifier

Top 10% of American Math Competition participants in Canada and US are invited to the AIME.



Canadian Computing Contest

Certificate of Distinction (3x)



Euclid Math Contest

Certificate of Distinction (3x)



Queen's University Programming Challenge

3rd place



Canadian Senior Math Contest

Certificate of Distinction



Harvard-MIT Math Tournament

Placed within top 50 teams, all round combined.



Ottawa Math Journal

2nd place



Silver Medalist (2x)

Total grade average above 90% awarded to students in the Ottawa Carleton District School Board