

ZIANG WANG

Montreal, QC H2E | 514-586-9935 | ziang.wang@mail.mcgill.ca

Professional Summary

Enthusiastic and dedicated software engineering intern with a passion for mathematics and computer programming, currently pursuing a Bachelor's degree at McGill University. Experienced in multiple programming languages with an existing project portfolio. Adept at website development and mathematical algorithm formulation. A quick learner who is eager to collaborate and learn from experienced professionals.

Education

Bachelor of Engineering: Co-op Software Engineering

McGill University

Expected in May 2027

Montreal, QC

Diploma of College Studies: Honours Pure And Applied

Marianopolis College

May 2023

Westmount, QC

Experience & Award

Intern

Mitacs

Jun 2022 - Sep 2022

Montreal, QC (Hybrid)

- FRQNT summer internship on Topological Data Analysis and its Computer Implementation
- Studied general topology, homology
- Created a python project to compute Betti Numbers
- Wrote numerous academic papers in latex
- Hold one seminar

Student Grader for Calculus 1,2,3

Marianopolis College

Jan 2021 - May 2023

Montreal

- Solid Mathematic background
- Tutoring experience

Canadian Open Mathematics Challenge

The University Of Toronto

Oct 2019 - Oct 2021

- 2021: Performance with Distinction, top 97 percent domestically, top 99 percent inside the Province of Quebec
- 2020: Silver Award-Quebec Grade 11
- 2019: Bronze Award-Quebec Grade 10

American Mathematics Competition

Mathematical Association Of America

Oct 2021 - Oct 2021

Qualified to compete in the American Invitational Mathematics Examination (top 2.5%)

Purple Comet! Math Meet

Dr. Jonathan Kane And Dr. Titu Andreescu

Sep 2020 - Sep 2020

Second place for Canada High School Mixed Team

Skills

- Proficient in Python
- JS.React HTML CSS web development
- C++
- GitHub
- R programming language
- Numerous python modules: TensorFlow, Panda, Numpy
- Swift
- General Topology, Homology, Group theory

Project

- JS.React website development project (Jun 2023 - Jun 2023)
<https://withziang.github.io/ziangwang/>
- Honours Research Project (Jan 2023 - May 2023)
Wrote one research paper, hold two seminars
- Science Fair project: *Graphic Processing Using Linear Algebra*
Sliver Award
- Science Fair project: *Signal Blocker*
Bronze award