

ANDREW QI TANG

tangqiandrew@gmail.com - 6479363288 - Mississauga, ON

SKILLS

- LANGUAGES: C++, C, Java, HTML, CSS, Javascript, Racket, Latex, Python
- TECHNICAL EXPERTISE: Algorithms, Data Structures, Graph Theory, Dynamic Programming, Probability Theory, Linear Algebra, String Algorithms, Computational Geometry

EXPERIENCE AND PROJECTS

Triway Education

Programming Instructor

July 2020 – September 2020

Richmond Hill, ON

- Designed curriculum equivalent to 3rd year university algorithm course to elevate students' skills in programming contests
- Implemented and clearly explained difficult algorithmic contest problems and concepts in Java
- Inspired to initiate my own weekly 1-1 private lessons internationally

School Computer Science Club

Founder and Instructor

September 2017 - March 2020

Mississauga, ON

- Prepared presentations and weekly lessons for club meetings to increase the interests towards computer science to club members
- Organized programming events such as hackathons and programming contests to a local and international audience
- Team leader of an award winning programming team

Globe X Cup Contest

Problemsetter and Organizer

October 2019 - December 2019

Oakville, ON

- Produced and extensively tested algorithmic problem-sets for more than 200+ international participants

Personal Website (<https://andrewqt.github.io/>)

January 2021 - Current

- Used HTML, CSS and Javascript to design and maintain a website that has interactive social media links and blogs

AWARDS

Canadian Computing Olympiad

Received Bronze Medal (30/5000+) in 2018 and Silver Medal (15/5000+) in 2020

May 2018, May 2020

United States Of America Computing Olympiad

Achieved Platinum Division (highest division), placed (22/7500+) for December 2019 contest

December 2017 - Current

Online Judges

Peaked Grandmaster (top 0.4%) on Codeforces, achieved Kyu 1 (top 2.1%) on Atcoder, solved 3300+ algorithmic problems

July 2017 - Current

Rene Descartes National Scholarship

Entrance scholarship valued at \$20 000, awarded up to 30 students with distinguished achievements in mathematics and computer science

April 2020

American Invitational Mathematical Examination Qualification

Within the top 5% among 63000+ participants for a AMC to qualify for AIME and AOIME

March 2020

EDUCATION

University of Waterloo

BS Computer Science Faculty Average: 98.33%

Relevant Courses: MATH145: Algebra (Advanced Level) (100%), MATH147: Calculus 1 (Advanced Level) (99%), CS145:

Designing Functional Programs (Advanced Level) (96%)

September 2020 – May 2025