Colin Ruan

Email: c9ruan@uwaterloo.ca
Github: github.com/cruan9
LinkedIn: linkedin.com/in/colin-ruan/

EXPERIENCE

Dr. G.W. Williams Secondary School Coding Club Aurora, ON
President *Sept 2018 - June 2021*

- Introducing students to the fundamentals of Java and object oriented programming
- Preparing students for the Canadian Computing Competition
- Transformed to an online club after the pandemic for asynchronous learning

Senior Canadian Computing Competition github.com/cruan9/CCC-Problems
Participant *Feb 2019 - Feb 2021*

- Participated in the University of Waterloo's Computing Contest using Java
- Tested on a variety of topics including dynamic programming and graph theory
- Implemented many algorithms such as BFS, Dijkstra and Kruskal's algorithm

PROJECTS

Personal Website cruan9.github.io
HTML, CSS *Dec 2021 - Present*

- Designed a personal website using HTML
- Constructed an interface for all users using CSS
- Use of embedded links to guide the user towards information about myself

TFT Statistics github.com/cruan9/TFTStats
Python *Feb 2022 - Present*

- Provides the user with relevant statistics for the game Teamfight Tactics
- Use of REST API to import JSON data from a server
- Parsed and analyzed the JSON data to output useful information

Tic-Tac-Toe github.com/cruan9/TicTacToe
React.js, CSS, HTML, Javascript *March 2022*

- Designed a Tic-tac-toe game using React.js
- Interactive interface that changes based on the board state
- Allows the user to return to previous board states and undo moves

Ignition Hacks github.com/cruan9/IgnitionHacks2020
Python *Aug 2020*

- Created an AI that detects the sentiment of a message using Python
- Collaborated with group members to improve the efficacy of the AI

SKILLS SUMMARY

- **Languages**: Java, HTML, CSS, JavaScript, Python, Bash, Racket, C, Visual Basic, Haskell
- **Tools/Libraries**: React.js, Node.js, GIT, MySQL, Visual Studio Code, Vim, Nano, Excel

HONORS AND AWARDS

- Recipient of University of Waterloo President's Scholarship – 2021
- Distinction Award in the Senior Canadian Computing Competition (CCC) – 2020-2021
- Distinction Award in the Euclid Math Competition (Placed top 1% of participants) – 2021
- Distinction Award in the CSMC Math Competition (Placed top 1% of participants) – 2020-2021
- Qualifier of American Invitational Mathematics Examination (AIME) – 2021

EDUCATION

University of Waterloo Waterloo, ON
Bachelor of Computer Science; GPA: 3.78 *Sept 2021 - Apr 2026*

Relevant Courses: *Linear Alegbra, Calculus, Designing Functional Programs (Adv), Elementary Algorithm Design and Data Abstraction (Adv)*

Dr. G.W. Williams Secondary School Aurora, ON
International Baccalaureate Diploma Program *Sept 2017 - Jun 2021*