Colin Ruan

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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*

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

SHAD Canada — Canada
Alumni — *Jul 2020 - Aug 2020*
- Worked collaboratively on designing a zero gravity experiment
- Participated in several team building activities with peers
- Adapted to the first ever online SHAD program

PROJECTS

Personal Website — cruan9.github.io
Web Development — *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

Ignition Hacks — github.com/cruan9/IgnitionHacks2020
Participant — *Aug 2020*
- Created an AI that detects the sentiment of a message using Python
- Preparing students for the Canadian Computing Competition
- Adapted to an online club after the pandemic for asynchronous learning using YouTube videos

Puzzle Rush — Aurora, ON
Game Development — *Oct 2018 - Jan 2019*
- Designed an interactive puzzle game using Visual Basic
- Implemented a random level generator that stores levels that were previously completed
- Created a unique user friendly interface for each level

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 – 2021
- Distinction Award in the CSMC Math Competition – 2020-2021
- Qualifier of American Invitational Mathematics Examination (AIME) – 2021

SKILLS SUMMARY

- **Languages**: Java, HTML, CSS, JavaScript, Bash, Visual Basic, Racket
- **Tools/Applications**: GIT, MySQL, Visual Studio Code, Eclipse, Excel