

EDUCATION

- **University of Waterloo** Ontario, ON
Candidate For Honours Bachelor of Computer Science; GPA: 4.0 *September 2021 – April 2026*
 - **Coursework:** Algebra (Advanced), Calculus (Advanced) (99%), Designing Functional Programs (Advanced) (98%)

AWARDS/COMPETITIONS

- **Canadian Computing Olympiad** Waterloo, ON
Silver Medallist *May 2021*
- **Canadian Computing Competition (Senior Division)** Waterloo, ON
Honour Roll Placements *Feb 2018, Feb 2020, Feb 2021*
 - Placed 1st out of 2901 participants (with a perfect score) in the 2021 Senior competition
 - Placed in the Group 2 (top 2%) and Group 3 (top 5%) Honour Roll in the 2020 and 2018 Senior competitions respectively
- **USA Computing Olympiad**
Placed 33rd out of all pre-college participants in the USACO Open 2021 (Platinum Division) *2019 – Present*
- **Google Code Jam**
2x Round 3 Qualifier, placed 165th in Round 3 2021 *2019 – Present*

EXPERIENCE

- **Codeforces LATOKEN Round 1** Online
Organized algorithms competition with over 18,000 participants *May 2020 – June 2021*
 - **Organization:** Worked with other problemsetters and Codeforces Administration to gather testers and ensure smooth delivery of competition
 - **Problemsetting:** Generated ideas for problems, prepared problem statements and test data, created programs to validate correctness of data and graders
- **DMOJ Problem Setter** Online
Organized and tested programming competitions *September 2019 – Present*
 - **Mock CCC:** Problemsetter for two mock CCC (Canadian Computing Competition) contests in 2020 and 2021
 - **CPC:** Organizer and problemsetter for CPC competition in 2020 and 2021
 - **Olympiads School:** Created tasks for Olympiads School computer contest quizzes held at the end of each term

PROJECTS

- **CP Tools**
Python module for Competitive Programming
 - Python module that contains a suite of tools for algorithms problems, including automated local testing, stress testing tools, and integration with browser extensions
 - Formerly a VSCode extension written in TypeScript with Vue and the VSCode API with similar functionality
- **Algorithms & Data Structures Library**
60+ DS&A templates built to be easily integrated into existing solutions
 - Includes a variety of algorithms: graphs, strings, data structures, combinatorics and number theory, etc.
 - Testing integration with GitHub actions and `online-judge-tools/verification-helper` to ensure correctness
- **LetterGrid**
Head-to-head online multiplayer game made for Hack the North 2021
 - Typing-based strategy game where players race to opposite corners of a grid while blocking opponents
 - Built using React for the UI and Flask on the backend

PROGRAMMING SKILLS

- **Languages:** Python, C/C++, HTML/CSS/JS, Java
- **Technologies:** Django, React, Flask, LaTeX