

EDUCATION

- **University of Waterloo** Ontario, ON
Candidate For Honours Bachelor of Computer Science; GPA: 3.98 Sept 2021 – Apr 2026
 - **Coursework:** Algebra (Advanced) (98%), Calculus (Advanced) (99%), Designing Functional Programs (Advanced) (98%)

AWARDS/COMPETITIONS

- **Canadian Computing Competition (Senior Division) & Olympiad** Waterloo, ON
National algorithms competition Feb 2018 – Feb 2021
 - Silver Medalist at the 2021 Canadian Computing Olympiad, an invite-only team selection test for the Canadian IOI team made up of top CCC participants
 - Placed 1st out of 2,901 participants (with a perfect score) in the 2021 competition
- **Google Code Jam** Apr 2019 – Present
Major algorithms competition that gathered 90,000+ participants last year
 - Placed 165th in Round 3 2021
 - Round 3 Qualifier in 2020 and 2021 (top 1,000 participants)
- **USA Computing Olympiad (Platinum Division)** Jan 2020 – Present
Placed 33rd out of all pre-college participants in the highest division of the USACO Open 2021

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 Sept 2019 – Present
 - **Mock CCC:** Problemsetter for two Mock CCC (Canadian Computing Competition) contests in 2020 and 2021
 - **CPC:** Organizer and problemsetter for the 2020 and 2021 competitions
 - **Olympiads School:** Created tasks for algorithms 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+ DSA templates built to be easily integrated into existing solutions
 - Includes a variety of algorithms: graphs, strings, data structures, combinatorics and number theory, etc.
 - Automated testing integration using GitHub actions with `online-judge-tools/verification-helper`
- **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