

## EDUCATION

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- **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

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- **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*
  - 5,409 users participated in the USACO 2021 Open

## EXPERIENCE

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- **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

## PROJECTS

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- **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.
  - 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

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- **Languages:** Python, C/C++, HTML/CSS/JS, Java **Technologies:** Django, React, Flask, L<sup>A</sup>T<sub>E</sub>X