

## EDUCATION

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- **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

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- **Canadian Computing Olympiad** Waterloo, ON  
*Silver Medallist* *May 2021*
- **Canadian Computing Competition (Senior Division)** Waterloo, ON  
*Honour Roll Placement* *Feb 2018, Feb 2020, Feb 2021*
  - **2021:** Placed 1st out of 2901 participants (Perfect score)
  - **2020:** Group 2 Honour Roll, placing in the top 2% of participants
  - **2018:** Group 3 Honour Roll, placing in the top 5% of participants
- **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

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- **Codeforces LATOKEN Round 1** Online  
*Contest organizer* *May 2020 – June 2021*
  - **Organization:** Worked with other problemsetters to host a competition with 18,000+ participants, gathered testers for problems, worked with Codeforces Administration to 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 2018 – 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
  - **WAC:** Tester for WAC contest from 2019 until present

## PROJECTS

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- **CP Tools:** Python module that contains a suite of tools for contests and practice: automated local testing against test cases, automated stress testing, and integration with browser extensions, among others
- **Algorithms/DS Library:** Library with a variety of different data structures and algorithms (i.e. graphs, strings, combinatorics) built with customizability in mind. Testing integration with `online-judge-tools/verification-helper` to ensure correctness
- **Personal Website:** Personal website created using Jekyll, Nginx, and Django. It also hosts a searchable library of my solutions to the DMOJ online judge

## PROGRAMMING SKILLS

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