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## Skills

- **Languages:** Python, C/C++, HTML/CSS/JS, Node.JS & TS, Java, Kotlin
- **Tools/Frameworks:** Django, Git, Flask, Express, Docker, Nginx
- **Platforms:** Windows, Linux

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## Experience

- **Programming Contest Organizer (Codeforces and DMOJ)** Online  
*Organized contests, created and prepared algorithms problems* Sep 2019 – Present
  - **Codeforces LATOKEN Round 1:** Algorithms contest with **18,000+** participants sponsored by LATOKEN. Problems were prepared in C++ using Codeforces' Polygon System 🔗
  - **Mock CCC:** Contests in 2020 and 2021 with 200+ participants 🔗 🔗
  - **CPC:** Contests in 2019 and 2021 with 100+ participants 🔗 🔗
- **Focal Healthcare** Toronto, ON  
*Test/Documentation Engineering* Aug 2019
  - Wrote scripts that formatted and validated product specifications and manual tests
  - Used Python with python-docx and xlswriter packages

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## Awards/Competitions

- **Canadian Computing Olympiad** Waterloo, ON  
*Canada's most prestigious high school programming/algorithms contest* Feb 2018 – Feb 2021
  - 2021 Canadian Computing Olympiad (CCO) Silver Medalist, an invite-only (top ~40 CCC participants this year) team selection test for the Canadian IOI team
  - 2021 Canadian Computing Competition (CCC) – Placed **1st** out of **2,900+** participants with a perfect score
- **Google Code Jam** Apr 2019 – Present  
*Major algorithms competition that gathered 90,000+ participants last year*
  - Placed **3rd** of Canadian participants in Round 3 2021 (165th overall)
  - Round 3 Qualifier in 2020 and 2021 (top 1,000 participants)

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## Projects

- **Competitive Programming Tools** 🔗 🔗  
*Python module for Competitive Programming*
  - 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 React.JS and the VSCode API
- **Algorithms & Data Structures Library** 🔗  
*60+ Data Structures & Algorithms templates (in C++) 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** 🔗  
*Online head-to-head typing-based strategy game made for Hack the North 2021*
  - Built using React.JS (UI), Flask (backend), and Socket.IO (communication between client and server)

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## Education

- **University of Waterloo** Ontario, ON  
*Candidate For Honours Bachelor of Computer Science; Major Average: 97.8%* Sep 2021 – Present
  - **Coursework:** Linear Algebra I (Adv) (95%), Calculus II (Adv) (97%), Elementary Algorithm Design and Data Abstraction (Adv) (100%)
  - **Scholarships:** \$8,000 Faculty of Mathematics scholarship, \$2,000 President's Scholarship of Distinction