Maxwell Cruickshanks

Waterloo, ON, Canada

 maxcruickshanks · maxcruickshanks · maxcruickshanks.site
 me@maxcruickshanks.site · +1 (289) 648-5583

Skills

Java, C++, Python, SQL, JavaScript, HTML, CSS, LaTeX, Git, Unix

Education

University of Waterloo   Sep 2022 - Apr 2027 (expected)
Bachelor of Computer Science, Honours - AI Specialization   Waterloo, ON
- Cumulative GPA: 95.70% / 4.0 GPA
- Recipient of President's Scholarship of Distinction
  – Scholarship for an admission average of 95% or higher

Canadian Securities Institute   Jun 2022 - Aug 2022
Canadian Securities Course   Toronto, ON
- Learned about the financial industry, including equities, bonds, and derivatives

Contests and Awards

LeetCode - maxcruickshanks
- Peak rating of 2800+, top 0.05% of users

Canadian Computing Olympiad 2021 - Bronze Medalist
- Placed in the top 40 out of 2920 contestants in the Canadian Computing Competition to qualify

Personal Projects

Dynamic File Storage   maxcruickshanks/Dynamic-File-Storage
- Support peer-to-peer encrypted file transfer on LAN using Java

Paint++   maxcruickshanks/Paint
- Drawing tool similar to Windows Paint with an infinite grid and navigated with WASD using Java

Work Experience

Untether AI   May 2023 - Aug 2023 (expected)
Compute Kernel Software Engineering Intern   Toronto, ON
- Added debugging information to failed CI tests that checked for patterns in failed outputs
- Optimized and tested compute kernels for common machine learning layers (like convolution, up-sample, NMS)
- Deployed and integrated PostgreSQL database with REST API in TeamCity CI/CD to store statistics about network performance and track regressions
- **Technologies used:** Python, C++, SQL, Git, Unix

Centre for Education in Mathematics and Computer Science   Dec 2022 - Present
Canadian Computing Competition Committee Member
- Developed and proofread problems for the Canadian IOI selection contests (CCC/CCO)

DMOJ: Modern Online Judge   May 2021 - Present
Site Moderator
- Added 1000+ problems, ensured consistency across the problem set
- Organized and set 10+ contests, each with 100+ contestants
- Proofread contest problems for inconsistencies, grammatical errors
- Continually updated test data to prevent unintended solutions from passing
- Responded to contest tickets, ran integrity checks on contests