

ALEX WAESE-PERLMAN

Math & computer science student with a passion for problem solving.

EXPERIENCE

- September 2025 **Incoming New Grad Software Engineer**
Jane Street - New York, NY
- June 2024 - August 2024 **Software Engineering Intern**
Optiver - Chicago, IL
- Worked on a system for processing news events (Under NDA)
- May 2023 - August 2023 **Software Engineering Intern**
Roblox - San Mateo, CA
- Enabled log templates to improve structured logging in over 800 repositories with minimal code changes
 - Implemented service-level log de-duping which led to CPU reduction of around 3% over all services

EDUCATION

- 2022 - 2025 **Bachelor of Science**
McGill University
GPA: 4.0/4.0
- Joint Honours Mathematics and Computer Science
 - President of competitive programming club

PROJECTS (MORE ON [GITHUB](#))

- Rust
PyTorch
React
WebAssembly
- String Protagonist**
- Guitar hero with real guitars, built in 48 hours with a team of 4
 - Built a neural network to classify what notes are being played on a guitar
 - Developed a web app that runs the neural network in real time in browser using webassembly
- Rust
SQS/SNS/S3
Docker
React
AWS CDK
- Poker Bot Platform**
- Led development of a poker bot competition platform with 4 other students
 - Implemented poker logic engine in Rust that plays bots against each other
 - Designed and implemented a matchmaking and rating system for ranking bots
 - Designed using a scalable microservice architecture to run thousands of games
- C
CMake
- Neural Network in C**
- Convolutional neural network written from scratch in C. Achieves an accuracy of 82% on MNIST.

PEER REVIEWED PUBLICATIONS

- Tensorflow
sklearn
Pandas
- 3 peer reviewed publications. See scholar.google.com/citations?user=HxtilusAAAAJ**



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SKILLS

Data analysis
Competitive programming
TypeScript
C++
Rust
Java
React
AWS

CONTESTS & AWARDS

Math Physics Class of 1965 prize
issued to one student in math per year (\$2425), 2024

98th-99.5th percentile on
Codeforces/LeetCode (master title)

John V. Galley Scholarship issued
to one student in the Faculty of
Science each year (\$1000), 2023

Feng Qian Award for computer
science at McGill (\$3591), 2023

Silver medal in ICPC NENA 2022,
2023

Top 700 in Putnam 2022, 2023

1st place at McGill on NP Compete
(annual programming contest)
2022, 2023, 2024

9th in Canada on Meta Hacker Cup
round 2, 2022

35th in Canada on Sir Isaac
Newton physics contest, 2022

75th in Canada on Canadian
Computing Contest, 2022

USACO Platinum 2022

Problem setter for BPC1 online
programming contest with over 150
participants, 2021