

Joshua Dall'Acqua

STUDENT · MATHEMATICS AND COMPUTER SCIENCE

3621 Rue Lorne-Crescent, Montreal QC Canada

☎ (587) - 985 - 4388 | ✉ j.dallacqua1@gmail.com | 🏠 joshuadallacqua.com | 📺 josh-cannot-code | 📺 joshua-dall-acqua

Summary

Currently enrolled at McGill university. Excited to apply knowledge of systems, algorithms, data structures and design patterns being learned in courses. GNU/Linux advocate and hobbyist. Very passionate about computer science, pure mathematics, and the application of maths within computing. Looking to gain experience as an intern in any aspect of software/computer science.

Work Experience

BlasBerry Orchard

Edmonton, Alberta

ORCHARD WORKER

July. 2020 - Sept. 2020, May. 2021 - Aug.

2021

- Find creative solutions to problems with limited resources
- Being trusted to work unsupervised for days at a time
- Carry out transactions with clients of the orchard
- Off site work such as product delivery and pickup
- Ensure the grounds stayed clean and professional
- Safe operation of heavy machinery

DiscoverE Engineering Summer Camps

Edmonton, Alberta

SCIENCE CAMP VOLUNTEER

July. 2019 - Sept. 2019

- Get campers excited about STEM by sharing passion for the field
- Assist in setup and tear down of projects for the campers
- Keep track of campers while moving from one location to another
- Act as a third party in conflict resolution

Education

B.S. in Mathematics and Computer Science (In Progress)

Montreal, Quebec

MCGILL UNIVERSITY

Sept 2020 - April. 2024

- Current CGPA: 3.96

High School Diploma

Edmonton, Alberta

STRATHCONA COMPOSITE HIGH SCHOOL (COMPLETED)

Sept. 2017 - June. 2020

- Honours with Distinction
- AP program

Related Coursework

- Abstract algebra
- Mathematical Analysis
- Probability
- Software Systems
- Programming Languages and Paradigms (functional programming)
- Algorithms and Data Structures
- Computers and society

Extracurricular Activity

Side Projects

- Square wave fractal visualization in Python with Matplotlib, currently re-writing in Rust/OpenGL using Glum library
- Breadth first graph traversal as a proof for the countability of rational numbers
- Binary search algorithm as a proof for localization of roots
- React/Node website hosted on Raspberry Pi
- NAS storage using Raspberry Pi, WireGuard and Samba

Blitz Coveo AI Competition

- Use knowledge in Artificial Intelligence to compete against other teams of Quebec university students.
- Completed technical qualifier November 2021, competing January 14-15 2022

Technical Skills/Languages

Productive:

- Python
- Java
- Bash
- Git
- Unix

Knowledgeable:

- C
- F#
- Rust

Learning:

- React
- Node.js
- Javascript/Typescript
- Ocaml
- SQL