

# ARTHUR BRIGHT

Student Id: 20937594

Program: CS

✉ [artb1234567@gmail.com](mailto:artb1234567@gmail.com)

🐙 [arthurbright](https://github.com/arthurbright)

in [a2bright](https://www.linkedin.com/in/a2bright)

🌐 [arthurbright.github.io](https://arthurbright.github.io)

## SUMMARY OF SKILLS

- > 5+ years of experience coding in **Java** and **C#**; well-versed in advanced algorithms & OOP
- > 3 years of experience with **web development**: JS, HTML/CSS, Node.js, Express, Socket.io, MongoDB
- > 2 years of experience in **C++** through high-level competitive programming
- > Proficient with GitHub, VScode, and Heroku, along with other programming/deployment tools
- > Creative thinker with an aptitude for problem-solving and innovation
- > Efficient and resourceful team player; developed through several projects & hackathons

## WORK EXPERIENCE

### TREASURED INC - JUNIOR PROGRAMMER

SEPT 2019 - FEB 2020

- > Designed and implemented an algorithm to generate contours on a topological map in C#
- > Created interactive UI activated based on user proximity
- > Improved efficiency of object generation in existing code
- > Programmed 3D fire and water particle effects in Unity

## EDUCATION

### UNIVERSITY OF WATERLOO

SEPT 2021 - APRIL 2026

- > Candidate for **Bachelor of Computer Science**
- > 97% average in 1A term, took advanced level Math/CS courses
- > Mathematics National Scholarship Recipient

## PROJECTS

### HOTSPOT 📍

- > Web app to track COVID-19 spread on heatmap, with REST API and Node.js server. **Winner at GarudaHacks 2020**

### SMS ASSIST 📱

- > SMS messaging AI designed to handle commercial inquiries for businesses. **Finalist at McHacks 2020**

### MULTIPIANO 🎹

- > Realtime multiplayer piano app with private room codes. Interactive HTML piano is served with Node.js + Socket.io

### TOSBOT 🤖

- > Discord bot that simulates games of *Town Of Salem* (similar to *Mafia*) on Discord servers. Created using Discord.js

## HOBBIES & INTERESTS

Music arrangement • Hackathons • Swimming • Improv piano • Singing in the shower