ARTHUR BRIGHT

FULL STACK DEVELOPER

LANGUAGES

- Java
- Javascript
- C++
- C#
- HTML/CSS
- Python

FRAMEWORKS

- Node.js
- Express
- Socket

TOOLS/SOFTWARE

- GitHub
- VS Code
- MongoDB
- Heroku
- Unity

CONTACT DETAILS

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arthurbright
🌐 https://arthurbright.github.io/

WORK EXPERIENCE

Treasured Inc.

JUNIOR PROGRAMMER   **SEPT 2019 - FEB 2020**

> *Assisted in programming of various components of TreasuredWorld*
> *Designed 3D fire and water particle effects in Unity*
> *Created topological map contour algorithm*
> *Improved efficiency of object generation in code*
> *Learned how to design interactive UI*

PROJECTS

HotSpot

WINNER AT GARUDAHACKS 2020

> *Designed web app to track Covid-19 spread and visualize it on heatmap*
> *Created REST API and Node.js server to host backend*
> *Linked server to Mongo Databases to both efficiently store and retrieve data from users/medical facilities*
> *Employed geolocation API to convert addresses to coordinates*

SMS Assist

FINALIST AT MCHACKS 2020

> *Created SMS messaging AI to handle commercial inquiries for businesses*
> *Employed IBM Watson for intent recognition in text messages*
> *Incorporated Twilio API with Node.js server to recieve user input and send AI generated responses*

TOSBot

PERSONAL PROJECT

> *Programmed a Discord bot to run Town of Salem (similar game to Mafia)*
> *Utilized Discord.js with Node.js server to host games on Discord servers*
> *Created automatic user-friendly prompts sent to each player via direct messaging, and handled responses flexibly with asynchronous code*
> *Designed algorithms and priority system to compute game results*
> *Most importantly, enjoyed playing TOS with friends during quarantine!*

EDUCATION

University of Waterloo

CANDIDATE FOR BACHELOR OF COMPUTER SCIENCE

Expected Graduation: April 2026
National Scholarship Recipient

Markville Secondary School

CLASS OF 2021

Top Mark of Graduating Class
Governor General's Award Recipient

HOBBIES & INTERESTS

> *Music arrangement*
> *Hackathons*
> *Swimming*
> *Improv piano*
> *Singing in the shower*