

BRAYDON WANG

Computer Science student at the University of Waterloo

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SKILLS

- Algorithms and Data Structures
- Data Science and Statistics
- Programming Languages: Java, C++, Python, HTML, CSS
- Web Development and Graphic Design
- Tools: Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn
- Machine Learning
- Public Speaking and Leadership

PROJECTS

DubG Video Game

Multiplayer, action-arcade, battle royale shooter game. Uses networking with server sockets and packets to allow the user to either be the server and host a game, or be the client and join an existing game.

Github: <https://github.com/braydonwang/DubG>

Huffman Encoding Project

Program that encodes data from a file using the Huffman Coding method. Creates a binary tree using the frequency of every byte in the file, then maps each byte to a shorter representation, and places the encoded message in a separate file.

Github: <https://github.com/braydonwang/Huffman-Encoder>

Duber Chat Software

Chat software similar to Discord made using server and client sockets, and Java Swing. The server can create chat groups, see group messages, and has access to the server log, while the client is able to join chat groups and privately message online users.

Github: <https://github.com/braydonwang/Duber-Chat-Software>

Competitive Programming Solutions

List of my competitive programming solutions for platforms including DM::OJ, Codeforces, and Leetcode. Written in programming languages including Java, C++ and Python. Problems range from CCC to CCO to COCI.

Github: <https://github.com/braydonwang/Competitive-Programming-Solutions>

VOLUNTEERING EXPERIENCE

Computer Science Club, Richmond Hill HS Senior Executive

SEPT 2020 - JUNE 2021

Responsible for leading the contest group of the club. Planned, developed and taught presentations each week that focused on a different topic related to algorithms and data structures.

IHCAS, Youth-Led Non-Profit Organization

Web Developer & Graphic Designer JUNE 2020 - APR 2021

Responsible for creating and designing informative posts for the organization to display on social media. Also responsible for updating and developing the organization's home website.

Account: <https://www.instagram.com/ihcasociety/>

EDUCATION

University of Waterloo

Graduation May 2026

Honours Computer Science - Co-op

Admission Average: 98%

Richmond Hill High School

Sept 2017 - June 2021

Ontario Secondary School Diploma

AP Courses in Math, Computer Science, Physics

CONTESTS AND AWARDS

CCC Senior 2021 - 53/75, 99th place, 96th percentile

CSMC 2020 - 57/60, 12th place, 99th percentile

Euclid 2021 - 93/100, 77th place, 99th percentile

CCC 2020 - 37/75, 115th place, 95th percentile

President's Scholarship of Distinction 2021

Faculty of Mathematics Entrance Scholarship 2021