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/C++, Python, HTML/CSS/JS
- Web Development and Graphic Design
- Tools: Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn, Keras
- Machine Learning
- Public Speaking and Leadership

PROJECTS

Collection of Machine Learning Projects
—— *Github Repository*

Multiple machine learning projects created during the GDG Cloud Edmonton Machine Learning Bootcamp 2021. Some include using grid search and cross validation to predict titanic survival chances, named entity recognition with BERT, and fine-tuned BERT question-answering.

DubG Video Game
—— *Github Repository*

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.

Duber Chat Software
—— *Github Repository*

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:

Competitive Programming Solutions
—— *Github Repository*

List of my competitive programming solutions for platforms including DM::OJ and Codeforces.

Huffman Encoding Project
—— *Github Repository*

Program that encodes data from a file using the Huffman Coding method.

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.   —— *Github Repository*

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.

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

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