

Gunjot Ghuman

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EDUCATION

University of Toronto

Bachelor of Arts in Computer Science, Cumulative GPA: 3.44/4.00

Toronto, ONT

Sep. 2021 – May 2025 (expected)

Jean Augustine Secondary School

Ontario Secondary School Diploma

Brampton, ONT

Sep. 2017 – May 2021

PROJECTS

NBA Player Stats Visualization | *Python, NBA API, Matplotlib*

July 2023 - September 2023

- Developed a Python program to visualize NBA player PPG data over their career
- Utilized Matplotlib for graph generation
- Integrated the NBA.com API for data retrieval
- Integrated a command-line interface that allows users to search for any NBA player

Boggle Word Game | *Java, JavaFX, Git*

October 2022 - December 2022

- Created a GUI boggle game, integrating player vs computer
- Used robust JavaFX methods to develop an aesthetically pleasing interface
- Implemented recursive algorithm that effectively searches for any available words

Tic-Tac-Toe | *Python, Pygame*

September 2019 - December 2019

- Created a GUI Tic-Tac-Toe game, integrating player vs player and player vs AI
- Used Pygame methods to develop an aesthetically pleasing interface
- Constructed iterative algorithm that is able to find best move given any board

TECHNICAL SKILLS

Languages: Java, Python, C++, HTML, JavaScript, CSS

Developer Tools: Git, VS Code, PyCharm, Eclipse, Excel, jupyter

Libraries: NumPy, Matplotlib, JavaFX

Frameworks: JUnit, unittest, ged

Operating Systems: Unix, Windows, macOS

RELEVANT COURSES

Data Structures and Analysis

Software Tools and Systems Programming

Software Design and Theory of Computation

Computational Probability and Statistics

EXTRACURRICULARS

Coding Club

September 2019 - August 2020

Member

Jean Augustine Secondary School

- Tackled challenging problems from the Canadian Computing Competition's past papers
- Fostered engaging discussions, promoting a deeper understanding of computer science concepts

AWARDS

Dean's List Scholar

Summer - 2022

- Academic excellence

SKILLS

Problem Solving

Adaptable

Fast Learner