

Andre Arcaina

(647) 632-0808 | andre.arcaina@torontomu.ca |
[linkedin.com/in/andre-arcaina](https://www.linkedin.com/in/andre-arcaina) | github.com/andrearcaina

SKILLS/INTERESTS

Languages: Python, Java, C/C++, JavaScript, SQL (mySQL)
Technical: Flask, HTML5, CSS, TailwindCSS, NumPy, Pandas, Matplotlib
Developer Tools: VS Code, PyCharm, IntelliJ, Eclipse, Geany
Interests: Full Stack Development, DevOps, Machine Learning

PROJECTS

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|---|----------------------|
| Re-Tic-Tac-Toe <i>Javascript, HTML5/CSS</i> GitHub Link | March 2023 |
| <ul style="list-style-type: none">• Created the game TicTacToe or X's and O's• Constructed the game on a website that handles mouse input onclick• Designed a grid with cells and gametiles alongside some animations with CSS• Allows user to reset with a restart button that animates up on hover | |
| Re-2048 <i>Javascript, HTML5/CSS, Hammer Js</i> GitHub Link | March 2023 – Present |
| <ul style="list-style-type: none">• Created my version of the game called 2048, originally made by Gabriele Cirulli• Constructed the game on a website that handles key inputs to slide the blocks• Designed a grid with cells and gametiles alongside some animations with CSS• Allows users on the phone to slide the blocks using a swiping mechanism | |
| ChatGPT-Survey-Results <i>Python, NumPy, Matplotlib, tkinter</i> GitHub Link | March 2023 – Present |
| <ul style="list-style-type: none">• Constructed a Graphical User Interface using tkinter for a coding assignment• Designed and developed multiple graphs using Matplotlib to display on tkinter GUI• Extracted data from a student-made survey using libraries such as csv and NumPy• Reported findings and showcased analysis through a written report and presentation | |
| Discord-Bot <i>Python, Discord.py</i> GitHub Link | Feb 2023 – Present |
| <ul style="list-style-type: none">• Developed a Discord Bot that uses python for entertainment purposes• Utilized Discord API to create commands that users can choose from• Users can deposit, withdraw, play blackjack, coinflip, and more | |
| TwitterCow <i>Python, Flask, Javascript, HTML5/CSS, Snsrape</i> GitHub Link | Jan 2023 |
| <ul style="list-style-type: none">• Collaborated with three other programmers on a project during 2023 Uoft Hackathon• Showcased data based on popularity of user's searches and past preferences• Implemented React.js in front-end development to display depending on the user's searches | |
| Champions-Arena-Game <i>Java, Java.Awt.Swing, Java Socket</i> GitHub Link | Dec 2021 - Jan 2022 |
| <ul style="list-style-type: none">• Collaborated with two other programmers on project during my final year in High School• Developed a top-down online multiplayer using a network protocol for a coding assignment• Implemented the MVC-Architecture for program readability and user interfaces• Designed an interactive user interface using Java.Awt and Java.Awt.Swing | |

EDUCATION

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|---|-----------------------|
| Toronto Metropolitan University | Sept 2022 – Present |
| <ul style="list-style-type: none">• Bachelor of Science (Honours)• Relevant Courses: Python, Java, Discrete Mathematics, Computer Organization | |
| St. Augustine Catholic High School | Sept 2018 - June 2022 |
| <ul style="list-style-type: none">• Ontario Secondary School Diploma• Awards: Honour Roll (2018-2022), STEM+ Certificate | |