

# Andre Arcaina

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## SKILLS/INTERESTS

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**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** | *Javascript, HTML5/CSS* | [GitHub Link](#) March 2023
- 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** | *Javascript, HTML5/CSS, Hammer Js* | [GitHub Link](#) March 2023 – Present
- Created my version of the game called 2048, originally made by Gabriele Cirulli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** | *Python, NumPy, Matplotlib, tkinter* | [GitHub Link](#) March 2023 – April 2023
- 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** | *Python, Discord.py* | [GitHub Link](#) Feb 2023 – Present
- 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** | *Python, Flask, Javascript, HTML5/CSS, Snsrape* | [GitHub Link](#) Jan 2023
- 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** | *Java, Java.Awt.Swing, Java Socket* | [GitHub Link](#) Dec 2021 - Jan 2022
- 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
- Bachelor of Science (Honours)
  - Relevant Courses: Python, Java, Discrete Mathematics, Computer Organization
- St. Augustine Catholic High School** Sept 2018 - June 2022
- Ontario Secondary School Diploma
  - Awards: Honour Roll (2018-2022), STEM+ Certificate