

Andre Arcaina

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SKILLS/INTERESTS

Languages: Python, JavaScript, Java, C#, C++, SQL (mySQL)
Technical: Flask, React.js, Streamlit, HTML5, CSS, Bootstrap, SQLite3
Developer Tools: VS Code, Unity, Adobe Photoshop, Figma, IntelliJ
Interests: Web & Game Development, DevOps, Machine Learning, Data Science

PROJECTS

- myFootprint** | *JavaScript, React-Native, Firebase* | [GitHub Link](#) May 2023 – Present
- Collaborated with two other programmers on a project for TurtleHacks 2023
 - Developed and designed a simplistic mobile application with UX elements using Figma
 - Implemented Firebase for user connectivity and authentication
 - Implemented the "Earth Overshoot Day" formula to display user's CO2 Footprint
- self.translate** | *Python, CSS, Streamlit* | [GitHub Link](#) April 2023
- Collaborated with three other programmers on a project during 2023 DeerHacks
 - Designed and developed a simplistic web application using Streamlit
 - Utilized Co:here and Google Translate API for detecting and translating languages
 - Implemented OpenCV, MediaPipe, and Cvzone for hand recognition in self.sign
 - Additionally used OpenAI for generating a lesson plan through a user prompt
- Stock-Predictor** | *Python, JavaScript, Flask* | [GitHub Link](#) April 2023 – May 2023
- Developed a machine learning model using Keras and Sci-Kit Learn to predict the cryptocurrency ETH's prices for the next thirty days
 - Utilized Jupyter's Notebook, Seaborn, and Matplotlib to display the graphs
 - Flask application that allows user input to display more than just ETH prices, but any other stock/cryptocurrency
 - Utilized Cryptocompare.com free API key for historical prices for each stock
- Re-Tic-Tac-Toe** | *JavaScript* | [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* | [GitHub Link](#) March 2023 – April 2023
- Created my version of the game called 2048, originally made by Gabriele Cirulli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
 - With every movement input, there is a swiping animation alongside it
- TwitterCow** | *Python, Javascript, Flask, Snsrape* | [GitHub Link](#) Jan 2023
- Collaborated with three other programmers on a project during 2023 UofTHacksX
 - Showcased data based on popularity of user's searches and past preferences
 - Implemented Bootstrap in front-end development to display depending on the user's searches

EDUCATION

- Honours Bachelor of Science (Co-op)** Sept 2022 – Present
Toronto Metropolitan University
- Cumulative GPA: 3.50/4.33
 - Relevant Courses: Python, Java, Discrete Mathematics, Computer Organization