

Andrew Zhan

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Technical Skills

Programming Languages: Python, C, Java, Scheme, HTML, CSS, XML

Tools: Android Studio, Git, AutoCAD, Microsoft Office

Projects

tweetBack | Python

- ❖ Created tweetBack, a web application that allows users to enter a set of keywords and have the app return the top Twitter tweets containing those keywords in a specific geographical location using the Twitter API. tweetBack then performs a sentiment analysis on the top tweets and returns a sentiment score that tells the user how positively or negatively people feel about those top tweets.
- ❖ Used Python for backend with the NLTK and Gensim libraries and used the Flask library to create a server to connect the backend to the website. React was used for the development of the website.

Library Catalogue App | Java, XML, Android Studio

- ❖ Developed an Android application that allows the user to create a custom library catalogue for their books.
- ❖ Allows users to create a library of books with a checkout and return feature to keep track of who is borrowing user's books.

Unit Converter App | Python

- ❖ Built a unit converter app that allows users to convert between various unit categories.
- ❖ Created the easy-to-use user interface using the Tkinter library.

Personal Website | HTML, CSS

- ❖ Built my personal website that introduces myself and links to useful information about myself on various platforms.
- ❖ Used HTML and CSS to create and style the website with buttons, headings, and images.

Experience

Private Math Tutor

2018-2019

- ❖ Tutored grade 10 academic and grade 11 university level math
- ❖ On-average, increased students' final grade by 39%

Extracurricular Math and Programming Tutor

2018-2019

- ❖ Organized meetings and lessons to teach middle school and high school students contest math and basic programming skills
- ❖ Demonstrated leadership, instructional, teamwork, and organizational skills

Education

University of Waterloo

2019-2024

Bachelor of Computer Science, Co-op

Awarded *Faculty of Mathematics Entrance Scholarship* (\$8000)

Awarded *President's Scholarship of Distinction* (\$2000)

Wilfrid Laurier University

2019-2024

Bachelor of Business Administration

Awards

Euclid Math Contest

2019

- ❖ Top 4% in Canada

OCDsB Student Recognition Award

2019

- ❖ Awarded to a single student demonstrating outstanding leadership and initiative

Hobbies

Art, badminton, camping, chess, fitness, hiking, kayaking, long-distance running, skiing