

Nathan Jiang

n25jiang@uwaterloo.ca | github.com/jnathan02222 | linkedin.com/in/nathan-jiang-32a639290

Education

University of Waterloo

Sept. 2023 - Apr. 2028

Candidate for Bachelor of Applied Science in Honours Computer Engineering

Skills

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

Technologies: React, React Native, Expo, Python Async IO, WordPress

Tools: Git, VS Code, Eclipse, Visual Studio

Experience

Mar. 2022 - Jun. 2022

Assistant Web Developer (Co-op) | React Native, Expo, HTML, CSS, JavaScript, WordPress

Mana Immigration Services, Toronto, ON

- Designed and developed 3 websites to help clients expand their businesses to Canada
- Developed an Expo prototype app that uses the WordPress API to pull posts websites, conveying company news and deals to customers

Projects

Exchange-Traded Fund Tax Calculator | C++

Nov. 2023

- Implemented an application that reads ETF transactions from a text document and computes capital gain and loss for the purpose of tax reporting
- Demonstrated proficiency with linked lists and dynamically allocated memory

Dusk | Java, JavaScript, HTML and CSS, Spotify API

Jan. 2023

- Developed a rhythm-based game in which the user can generate levels using any song on Spotify, leading a group of 6 classmates to complete the project in 2 weeks
- Created the game engine using Java and converted to JavaScript using the Greenfoot Java to JavaScript converter, allowing for integration with the Spotify API
- Available at dusk-music.glitch.me without the Spotify API due to terms of use limitations

Discord Bot | Python, Async IO, Clarifai API

Oct. 2021 - Sept. 2022

- Used the Python AsyncIO module to design and maintain a Discord bot for over a year, capable of setting reminders, telling the weather and classifying photos using Clarifai image recognition

DECA Tester | Python

Sept. 2022

- Used Python libraries to digitize DECA multiple choice exams to aid in rapid memorization through repetition, resulting in an award for top 10 in multiple choice at the provincial level
 - Available on [GitHub](https://github.com)
-

Hobbies and Interests

Photography, sketching, interior decoration, biking, learning to cook, reading historical fiction novels