Yves Alikalfic

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https://yves-a.herokuapp.com/

Education

Queen's University   September 2021 — April 2025
Bachelors of Computing (Honours) in Software Design   *Kingston, ON*
- **Relevant Coursework:** Data Structures, OOP in Java, System Level Programming, Computer Architecture, Software Specifications
- **Awards:** Dean's Honour List
- **GPA:** 4.18/4.3

Projects

Reminiscing Record Player | *React, Node.js, JavaScript, HTML/CSS* | GitHub   June 2022 – July 2022
- Developed a web app with over **1,000 page views**, that shows users listening history from Spotify API
- Designed a responsive web application that passes Google's Mobile-Friendly test, and hosted on Heroku
- Implemented a CI/CD pipeline that tagged every release and ran through GitHub Actions

Product Information Monitor | *Python, Flask, SQLAlchemy* | GitHub   November 2021 – January 2022
- Engineered a Python program that can handle over **100+ concurrent users**, that allows users to view information about a given product
- Developed a Discord bot that handle numerous requests from different servers, that offers a user interface
- Utilized a REST API to communicate between the user and the SQLAlchemy database

Sorting Algorithm Visualizer | *Python, Pygame* | GitHub   January 2022 – February 2022
- Built a Python app for visualizing sorting algorithms using Pygame
- Implemented Merge Sort, Bubble Sort, Insertion Sort

Stock Trading Algorithm | *Python, QuantConnect* | GitHub   September 2020 – April 2021
- Developed a Python trading algorithm that made a **profit of over $90,000** from an investment of $10,000
- Implemented the Short-Term Reversal Trading Strategy through QuantConnect
- Integrated Risk Parity Asset Allocation that minimized risk, that used the Maximum diversification method

Leadership/Activites

Queen's Tech and Media Association   April 2022 - Present
Software Developer   *Kingston, ON*
- Will be working on a product team alongside other developers to define and implement technical responsibilites
- Will be creating an application using React and Node.js

Queen's Tech and Media Association   April 2022 - Present
Software Developer   *Kingston, ON*
- Collaborated to product a profitable trading algorithm, alongside a team of five
- Lead a research team of two members that resulted in the succesful integration Risk Parity Asset Allocation and Maximum diversification
- Competed alongside 13 teams at Queen's University

Silverthorn Basketball   September 2019 - March 2020
Team Captain   *Toronto, ON*
- Lead the team to the provinical championship tournament for the first time in over 10 years
- Increased team attendace at trainings and games that led to a 2nd place finish in Toronto
- Strengthened leadership abilities through effective communication, strategic thinking, and accountability

Technical Skills

Programming: Python, Java, JavaScript, TypeScript, HTML/CSS, SQL
Frameworks: React, React Native, Express.js, Flask, Django, Bootstrap, Gin
Technologies: Node.js, REST APIs, GraphQL, SQLAlchemy, MongoDB, MS Office, Selenium, Git, xCode
DevOps: GitHub Actions, CI/CD
Languages: English, French, Bosnian, Croatian, Serbian