

Yves Alikalfic

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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/Activities

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 responsibilities
- Will be creating an application using React and Node.js

Queen's University Algorithmic Network and Trading Team

September 2021 - March 2021

Team Member

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 provincial 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