

# Yves Alikalfic

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## Education

### Queen's University

September 2021 – Expected: 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

## Projects

### Reminiscing Record Player | React, Node.js, JavaScript, HTML/CSS

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 developed to Heroku
- Implemented a CI/CD pipeline that tagged every release and ran through Github Actions

### Product Information Monitor | Python, Flask, SQLAlchemy

February 2021 – Present

- 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

April 2020 – February 2021

- Built a Python app for visualizing sorting algorithms using Pygame
- Implemented Merge Sort, Bubble Sort, Insertion Sort

### Stock Trading Algorithm | Python, QuantConnect

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 to develop and launch an application
- Will work as a full-stack developer

### Queen's Quantitative Analysis and Trading Team

September 2021 - March 2021

*Team Member*

Kingston, ON

- Collaborated to product a profitable trading algorithm, alongside a team of five
- Competed against 13 teams at Queen's University
- Lead a research team of two members for Risk Parity Asset Allocation and Maximum diversification

### Silverthorn Basketball

September 2019 - March 2020

*Team Member*

Kingston, ON

- Lead the team to the provincial championship tournament for the first time in over 10 years
- Developed a positive environment that led to finishing 2nd 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