Yves Alikalfic

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

Education

Queen's University   Sep 2021 — Apr 2025
Bachelor 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   Jun 2022 – Jul 2022
- Developed a web app hosted on Heroku with over **1,000 page views**, that shows users' listening history from Spotify API
- Designed a responsive web application that used media queries and flexible layouts that received a score of **100** from Google Lighthouse for Accessibility, Best Practices and SEO
- Implemented a CI/CD pipeline that used GitHub Actions to tag every release before being hosted

Medical Record Application | *React, TypeScript, Node.js, HTML/CSS* | GitHub   May 2022 – Jun 2022
- Built a web app that allows doctors to handle diagnoses and basic health information of their patients, by using action creators in Redux
- Developed a responsive web application that received a score of **100** from Google Lighthouse for Accessibility, Best Practices and SEO by using flexible layouts and grids

Product Price and Quantity Monitor | *Python, Flask, SQLAlchemy* | GitHub   Nov 2021 – Jan 2022
- Engineered a Flask app that can handle **100+ concurrent users**, that allows users to view the price and quantity of a given product
- Developed a Discord bot through Python that offers an user interface that can handle requests from numerous servers
- Utilized a REST API that allowed the Flask app to communicate between the user and the SQLAlchemy database

Stock Trading Algorithm | *Python, Pandas, NumPy, QuantConnect* | GitHub   Sep 2020 – Apr 2021
- Developed a Python trading algorithm that grew on average year over year by **16.25%** from 2009
- Implemented the Short-Term Reversal Trading Strategy through QuantConnect
- Integrated Risk Parity Asset Allocation that minimized risk, using the maximum diversification method

Leadership/Activities

Queen's Tech and Media Association   April 2022 - Present
Software Developer   *Kingston, ON*
- Working on a product team alongside other developers to define and implement technical responsibilities
- Creating a full-stack application to be launched to the public using React and Node.js

Queen's University Algorithmic Network and Trading Team   September 2021 - March 2021
Algorithm Developer   *Kingston, ON*
- Collaborated to produce a profitable trading algorithm, alongside a team of five and competed alongside 13 teams
- Lead a research team of two members that resulted in the successful integration of Risk Parity Asset Allocation and Maximum diversification

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 attendance at trainings and games that led to a **2nd** place finish in Toronto

Skills

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