

Yves Alikalfic

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Education

Queen's University <i>Bachelors of Computing (Honours) in Software Design</i> <ul style="list-style-type: none">• Relevant Coursework: Data Structures, OOP in Java, System Level Programming, Computer Architecture, Software Specifications• Awards: Dean's Honour List• GPA: 4.18/4.3	September 2021 – April 2025 Kingston, ON
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Projects

Reminiscing Record Player <i>React, Node.js, JavaScript, HTML/CSS</i> GitHub <ul style="list-style-type: none">• 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	June 2022 – July 2022
Product Information Monitor <i>Python, Flask, SQLAlchemy</i> GitHub <ul style="list-style-type: none">• 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	November 2021 – January 2022
Sorting Algorithm Visualizer <i>Python, Pygame</i> GitHub <ul style="list-style-type: none">• Built a Python app for visualizing sorting algorithms using Pygame• Implemented Merge Sort, Bubble Sort, Insertion Sort	January 2022 – February 2022
Stock Trading Algorithm <i>Python, QuantConnect</i> GitHub <ul style="list-style-type: none">• 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, that used the Maximum diversification method	September 2020 – April 2021

Leadership/Activities

Queen's Tech and Media Association <i>Software Developer</i> <ul style="list-style-type: none">• 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	April 2022 - Present Kingston, ON
Queen's University Algorithmic Network and Trading Team <i>Team Member</i> <ul style="list-style-type: none">• 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	September 2021 - March 2021 Kingston, ON
Silverthorn Basketball <i>Team Captain</i> <ul style="list-style-type: none">• 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	September 2019 - March 2020 Toronto, ON

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