

# Yves Alikalfic

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## Education

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

<b>Reminiscing Record Player</b>   <i>React, Node.js, JavaScript, HTML/CSS</i>   GitHub <ul style="list-style-type: none"><li>• Developed a web app with over <b>1,000 page views</b>, that shows users listening history from Spotify API</li><li>• Designed a responsive web application that used media queries and flexible layouts that passes Google's Mobile-Friendly test, and received a score of <b>100</b> from Google Lighthouse for Accesibility, Best Practices and SEO</li><li>• Implemented a CI/CD pipeline that tagged every release and ran through GitHub Actions and hosted on <u>Heroku</u></li></ul>	June 2022 – July 2022
<b>Medical Record Application</b>   <i>React, TypeScript, Node.js, HTML/CSS</i>   GitHub <ul style="list-style-type: none"><li>• Built a web app that allows doctors to handle diagnoses and basic health information of their patients</li><li>• Developed a responsive web application that received a score of <b>100</b> from Google Lighthouse for Accesibility, Best Practices and SEO by using flexible layouts and grids</li><li>• Implemented custom objects to proof action creators that used Redux to allow doctors to efficiently enter essential information for new and current patients</li></ul>	May 2022 – June 2022
<b>Product Price and Quantity Monitor</b>   <i>Python, Flask, SQLAlchemy</i>   GitHub <ul style="list-style-type: none"><li>• Engineered a Flask app that can handle <b>100+ concurrent users</b>, that allows users to view the price and quantity about a given product</li><li>• Developed a Discord bot that offers an user interface that can handle requests from users from numerous servers</li><li>• Utilized a REST API that was used by the Flask app to communicate between the user and the SQLAlchemy database</li></ul>	November 2021 – January 2022
<b>Stock Trading Algorithm</b>   <i>Python, Pandas, NumPy, QuantConnect</i>   GitHub <ul style="list-style-type: none"><li>• Developed a Python trading algorithm that grew on average year over year by <b>16.25%</b> from 2009</li><li>• Implemented the Short-Term Reversal Trading Strategy through QuantConnect</li><li>• Integrated Risk Parity Asset Allocation that minimized risk, using the Maximum diversification method</li></ul>	September 2020 – April 2021

## Leadership/Activites

<b>Queen's Tech and Media Association</b> <i>Software Developer</i> <ul style="list-style-type: none"><li>• Working on a product team alongside other developers to define and implement technical responsibilities</li><li>• Creating a full-stack application to be pitched to real-world software engineers and business leaders using React and Node.js</li></ul>	April 2022 - Present Kingston, ON
<b>Queen's University Algorithmic Network and Trading Team</b> <i>Algorithm Developer</i> <ul style="list-style-type: none"><li>• Collaborated to produce a profitable trading algorithm, alongside a team of five and competed alongside 13 teams at Queen's University</li><li>• Lead a research team of two members that resulted in the succesful integration Risk Parity Asset Allocation and Maximum diversification</li></ul>	September 2021 - March 2021 Kingston, ON
<b>Silverthorn Basketball</b> <i>Team Captain</i> <ul style="list-style-type: none"><li>• Lead the team to the provincial championship tournament for the first time in over 10 years</li><li>• Increased team attendace at trainings and games that led to a <b>2nd</b> place finish in Toronto</li><li>• Strengthened leadership abilities through effective communication, strategic thinking, and accountability</li></ul>	September 2019 - March 2020 Toronto, ON

## Skills

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**Programming Languages:** Python, Java, JavaScript, TypeScript, HTML/CSS, SQL

**Frameworks:** React, React Native, Express.js, Flask, Django, Bootstrap

**Technologies:** Node.js, REST APIs, GraphQL, SQLAlchemy, MongoDB, Pandas, NumPy, Selenium, Git, xCode

**DevOps:** GitHub Actions, CI/CD

**Languages:** English, French, Bosnian, Croatian, Serbian