

# Yves Alikalfic

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

## Education

<b>Queen's University</b> <i>Bachelor of Computing (Honours) in Software Design</i> <ul style="list-style-type: none"><li>• <b>Relevant Coursework:</b> Data Structures, OOP in Java, Algorithms, Operating Systems</li><li>• <b>Awards:</b> Dean's Honour List</li><li>• <b>GPA:</b> 4.2/4.3</li></ul>	Sep 2021 – Apr 2025 Kingston, ON
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## Experience

<b>Queen's University</b> <i>Teaching Assistant</i> <ul style="list-style-type: none"><li>• Currently in charge of 30 students, assisting the course instructor in facilitating classroom instruction and activities for Digital Societies</li></ul>	July 2023 - Present Kingston, ON
<b>Queen's Tech and Media Association</b> <i>Senior Software Developer</i> <ul style="list-style-type: none"><li>• Currently leading a team of 4 developers to work alongside 4 business analysts, and a project manager to secure funding from investors and develop an application for public release</li></ul>	Apr 2023 - Present Kingston, ON
<b>Queen's Tech and Media Association</b> <i>Software Developer</i> <ul style="list-style-type: none"><li>• Won first in a club-wide product competition, by working in a team of 10 to develop a gift recommendation mobile and web app named Sift using React and React Native</li><li>• Raised over \$1200 from investors for the mobile app by developing a comprehensive business plan that included, problem validation, a go-to-market strategy, a market analysis and numerous marketing initiatives</li></ul>	Apr 2022 - Apr 2023 Kingston, ON
<b>Queen's University Algorithmic Network and Trading Team</b> <i>Algorithm Developer</i> <ul style="list-style-type: none"><li>• Built a profitable trading algorithm that produce over a 31% return since 2021 by collaborating with a team of 5</li><li>• Lead a research team of two members that resulted in a beta of 0.095 by integrating Risk Parity Asset Allocation and maximum diversification</li></ul>	Sep 2021 - Mar 2022 Kingston, ON

## Projects

<b>Sift</b>   <i>React, React Native, Python, Flask, scikit-learn, MongoDB, Firebase</i>   Website <ul style="list-style-type: none"><li>• Developed a mobile and web application that generated over 60 sales each ranging from 1%-20% of the purchase price of recommended gifts by seamlessly integrating with Amazon</li><li>• Garnered a user base of over 1,200 for various beta releases on TestFlight by targeting relevant audiences during important gift-giving seasons across Queen's campus</li><li>• Increased users' time spent on the application by over 1.75x as measured by session duration by optimizing the recommendation algorithm using k-means clustering to personalize recommendations</li></ul>	Sep 2022 – Present
<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 over 130 patients</li><li>• Ensured proper functionality of data integration by writing Jest unit tests for new patient entries and diagnoses, validating the reliability and accuracy of the system</li></ul>	May 2022 – Present
<b>Reminiscing Record Player</b>   <i>React, Node.js, JavaScript, HTML/CSS, Cypress</i>   GitHub <ul style="list-style-type: none"><li>• Developed a <u>web app</u> with over 2,000 users, that shows users' listening history from Spotify API</li><li>• 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</li><li>• Implemented various Cypress tests to ensure proper API integration, authentication and UI component rendering</li></ul>	Jun 2022 – Jul 2022

## Skills

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**Programming Languages:** Python, Java, C, JavaScript, TypeScript, MATLAB, SQL, C++, C#

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

**Technologies:** Node.js, REST APIs, GraphQL, HTML/CSS, MongoDB, Pandas, NumPy, Selenium, Git, Xcode, scikit-learn

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