

Yves Alikalfic

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

Education

Queen's University <i>Bachelor of Computing (Honours) in Software Design</i> <ul style="list-style-type: none">• Relevant Coursework: Data Structures, OOP in Java, Algorithms, Operating Systems• Awards: Dean's Honour List x2• GPA: 4.2/4.3	Sep 2021 – Apr 2025 Kingston, ON
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Experience

Queen's University <i>Teaching Assistant</i> <ul style="list-style-type: none">• Currently in charge of 30 students, supporting classroom instruction and activities for System Level Programming• Effectively supervised and guided a cohort of 30 students enrolled in the Digital Societies course, fostering a dynamic learning environment and facilitating discussions on key technological topics and ethical considerations	July 2023 - Present Kingston, ON
Queen's Tech and Media Association <i>Senior Software Developer</i> <ul style="list-style-type: none">• 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	Apr 2023 - Present Kingston, ON
Queen's Tech and Media Association <i>Software Developer</i> <ul style="list-style-type: none">• 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• 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	Apr 2022 - Apr 2023 Kingston, ON
Queen's University Algorithmic Network and Trading Team <i>Algorithm Developer</i> <ul style="list-style-type: none">• Built a profitable trading algorithm that produce over a 31% return since 2021 by collaborating with a team of 5• Lead a research team of two members that resulted in a beta of 0.095 by integrating Risk Parity Asset Allocation and maximum diversification	Sep 2021 - Mar 2022 Kingston, ON

Projects

Sift <i>React, React Native, Python, Flask, scikit-learn, MongoDB, Firebase</i> Website <ul style="list-style-type: none">• 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• 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• Increased user's 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	Sep 2022 – Present
Medical Record Application <i>React, TypeScript, Node.js, HTML/CSS</i> GitHub <ul style="list-style-type: none">• Built a web app that allows doctors to handle diagnoses and basic health information of over 130 patients• 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	May 2022 – Present
Reminiscing Record Player <i>React, Node.js, JavaScript, HTML/CSS, Cypress</i> GitHub <ul style="list-style-type: none">• Developed a <u>web app</u> with over 2,000 users, 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	Jun 2022 – Jul 2022

Skills

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