Yves Alikalfic

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Skills

Programming Languages: JavaScript, TypeScript, Python, Java, C, MATLAB, SQL, Swift, Rust, Kotlin, Objective-C
Frameworks: React, React Native, Next.js, Expo, TailwindCSS, Express.js, Flask, Django, Firebase, Bootstrap
Technologies: Node.js, REST APIs, GraphQL, HTML/CSS, MongoDB, Pandas, NumPy, Selenium, Git, Xcode, scikit-learn
DevOps: Bash, GitHub Actions, Jenkins, Azure

Experience

Software Engineer, CORDAX – Toronto, ON   Aug 2025 – Present
- Building the Cordax mobile app with React Native, letting contractors generate HVAC, plumbing, and electrical layouts
- Connected the app to a Python backend with REST API integration, syncing project data and 3D models across devices
- Implemented offline mode, push notifications, and real-time updates to improve reliability during field testing

Quality Assurance Automation Engineer, Rakuten Kobo – Toronto, ON   Sep 2024 – Aug 2025
- Engineered a React Native reader app with Kotlin and Objective-C modules to optimize image rendering and load times
- Used TypeScript and Appium to boost automated test coverage by 50% on iOS/Android apps, developing 300+ tests
- Built and integrated 3 CI/CD pipelines in GitHub Actions, reducing manual regression testing time by 40%
- Created a TypeScript tool powered by Claude AI to generate and deliver real-time automation coverage reports

Cloud Technical Analyst, CIBC – Toronto, ON   May 2024 – Aug 2024
- Ranked in top 10% of interns and selected for CIBC Spark program to present legacy system solutions to executives
- Built lightweight HTML/CSS/JavaScript pages for restricted-site access, optimized to consistently load in under 500 ms
- Improved usability and security of internal web portals by collaborating with vendors, supporting 200+ remote sites

Software Developer, Pantree – Kingston, ON   Sep 2023 – Apr 2024
- Built a React Typescript Chrome extension with reusable components, offline storage, and responsive design for 30+ users
- Improved reliability by adding Jest unit tests and automating extension builds and deployments through CI/CD pipelines
- Boosted engagement with Twilio SMS notifications and integrated in-extension analytics, raising user retention by 20%

Projects

Personalized Gifting App | React Native, Python, Flask, scikit-learn, MongoDB, Firebase   github.com/yves-a/sift
- Developed a mobile and web application that generated 60 sales from a user base of 1,300+, by providing personalized gift recommendations using a K-means clustering algorithm to analyze user preferences and behavior
- Increased user engagement by 1.75x, as measured by session duration and daily active users, by implementing an interactive swiping feature, inspired by its success in apps like Tinder, into the app's user interface with React Native

Sleep Prediction App | Swift, SwiftUI, CoreML   github.com/yves-a/BetterRest
- Built an iOS application that predicts users' ideal bedtime by integrating a CoreML sleep model with user inputs for wake-up time, desired rest, and caffeine intake
- Designed and implemented a streamlined SwiftUI interface with responsive components to provide a clean, interactive, and intuitive user experience

Extracurricular

Software Developer, Queen's Technology & Media Association – Kingston, ON   2022 – 2024
- Led a select team of four developers to design and launch Pantree, clinching first place in a prestigious product innovation competition, hosted and judged by local successful entrepreneurs in Kingston
- Enhanced the club's technical capabilities by leading a technical hiring process of over 50 applicants

Education

Queen's University – Bachelor of Computer Science   Expected May 2026
- **GPA:** 4.13/4.3
- **Awards:** Dean's Honour List (2021, 2022, 2023), Principal's Scholarship (2021, Top 5% of incoming class)