Yves Alikalfic

alikalfic.yves@queensu.ca | 647-409-3395 | github.com/yves-a | linkedin.com/in/yves-alikalfic

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
- Built responsive pages with Next.js, React, and TailwindCSS, cutting load times 35% and doubling demo sign-ups
- Connected the app to an internal Python REST API, ensuring reliable data and 3D model synchronization across devices
- Developing a Python backend API designed for external licensing with secure authentication to support partners

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

AI Medical Training Simulation Agent | React, Python, Cohere AI, pyttsx3   github.com/yves-a/annie-chat-bot
- Engineered a medical simulation chatbot, enhancing doctor-patient interactions by leveraging Cohere AI to provide accurate responses to doctor inquiries, and responding through text-to-speech using pyttsx3
- Developed a vitals monitoring system by integrating lab sensors with the chatbot via Bluetooth API, enabling real-time vitals tracking for doctors, and improving medical student's response time by 40% in lab trials

Digital Content Creation Extension | React, JavaScript   github.com/yves-a/giggle-gear
- Developed a React-based Adobe Express extension, winning 'Most Creative Add-on' at QHacks 2024, by offering trendy images for dynamic content creation, aimed at corporate clients to enhance their social media presence
- Improved user satisfaction by 90% by converting text prompts to images using Imgflip API, as measured by user surveys

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)