YVES ALIKALFIC

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EDUCATION

Queen's University — Expected May 2026
Bachelors of Computer Science (Honours) — *Kingston, ON*
- **GPA:** 4.11/4.3
- **Awards:** Dean's Honour List (2021, 2022, 2023), Principal's Scholarship (2021, Top 5% of incoming class)

EXPERIENCE

Rakuten Kobo — Sep 2024 - Aug 2025
Quality Assurance Automation Engineer — *Toronto, ON*
- Engineered a **React Native** reader app with **Kotlin** and **Objective-C** modules to optimize image rendering and
- Boosted automated test coverage **50%** on iOS/Android apps using **TypeScript** and **Appium**, 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

CIBC — May 2024 - Aug 2024
Cloud Technical Analyst — *Toronto, ON*
- Secured **top 10% intern ranking** and selected for **CIBC Spark** to present legacy solutions to senior executives
- Developed lightweight **HTML/CSS/JavaScript** pages for restricted-site access, optimized to load in **under 500 ms**
- Improved usability and security of internal portals by collaborating with vendors, supporting **200+ remote sites**

Pantree — Sep 2023 - Apr 2024
Software Developer — *Kingston, ON*
- **Led 4 developers** to build a **React TypeScript** Chrome extension, and managed end-to-end delivery for **30+ users**
- Improved reliability by adding **Jest unit tests** and automated deployment via **GitHub Actions CI/CD** pipelines
- Boosted **user retention by 20%** through **Twilio SMS** notifications integrations and custom in-extension analytics

PROJECTS

NBA General Manager AI Agent | *Python, LangGraph, Llama 3.1, RAG, ChromaDB* — github.com/yves-a/LeGM
- Developed a specialized AI agent using **LangGraph** and **Llama 3.1** to generate and simulate front-office trade offers, and integrated **RAG** with **ChromaDB** to validate new deals against complex NBA salary rules
- Engineered a valuation engine to automate real-time trade analysis, which utilized **logarithmic decay** for NBA assets and provided instant trade offers through a responsive **Streamlit** interface for data-driven decision making

AI Powered Resume Analyzer | *Next.js, Java, Python, TypeScript, Docker, Qwen2.5* — github.com/yves-a/simple-ats
- Developed a resume optimization tool using a **Java** backend and **Python** AI service that calculates semantic similarity scores via **sentence-transformers**, identifying keyword gaps between profiles and job descriptions
- Integrated LLM-driven career coaching using **Qwen2.5** to provide real-time advice on resume improvements and technical skill gaps, delivering personalized insights through a responsive **Next.js** and **TypeScript** interface

CORDAX | *TypeScript, Next.js, Python, TailwindCSS* — cordax.io
- Collaborated with the engineering team to design, develop, and deploy responsive **Next.js** components, which contributed to a **35% reduction** in page load times and resulted in a **2x increase** in user demo sign-ups
- Supported the transition of a legacy **Python** backend into a scalable, modular architecture, which streamlined the codebase for better maintainability and resulted in a **15% decrease** in reported production errors

SKILLS

Languages: JavaScript, TypeScript, Python, Java, C, MATLAB, SQL, Swift, Rust, Kotlin, Objective-C
Frameworks: React, React Native, Next.js, Expo, TailwindCSS
Technologies: Node.js, REST APIs, HTML/CSS, MongoDB, Pandas, NumPy
DevOps: Bash, GitHub Actions, Docker