Joseph Jatou

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EDUCATION

Wilfrid Laurier University, Waterloo, Ontario ***Expected Graduation: Apr 2028***

Bachelors of Science in Computer Science, Minor in Business Administration

SKILLS

Languages ***Proficient*** JavaScript(5yrs) · Python(6yrs) ***Intermediate*** C++(2yrs) · Java(3yrs) ***Beginner*** SQL(1yrs) · Rust(1yrs)

Software AWS · GCP · Langchain · Docker · Kubernetes · TensorFlow · JupyterNotebook · Selenium · Bootstrap · Git · Bash

EXPERIENCE

Co-Founder & Software Engineer ***Nov 2024 - Present***

GLANCE *Toronto, ON*

- Developed a full-stack FARM application (FastAPI, React, MongoDB) powering AI-driven eyewear recommendations.
- Built proprietary ML models detecting 17+ beauty features, including face shape, eye color, and hair style.
- Engineered an API for seamless integration with optical stores, enabling AI-powered product recommendations.
- Built a dashboard for enterprise clients to create white-label eCommerce stores and manage inventory.
- Integrated regional sales analytics, helping retailers track best- and worst-performing products.
- Interviewed 75+ end users in 8 countries and 14+ optical stores in 3 countries for market validation.

AI Research Intern ***Sep 2024 - Jan 2025***

WILFRID LAURIER UNIVERSITY *Waterloo, ON*

- Authored the initial draft of a research paper, benchmarking medical image segmentation models in controlled study.
- Developed ML pipelines using Apache Airflow, ETL, and Docker, cutting deployment time by 30%.
- Fine-tuned 12+ tumor detection models on 10,000+ images, achieving 0.92 accuracy and 0.47 loss.
- Analyzed 20+ research papers, accelerating the literature review process by 25%.

AI PROJECTS

Eyewear Reccomendation System | Hackathon to Startup *(~900 hours)* - Github da fudge ***Jan 2025 - Present***

- Increased face-shape classification model accuracy by 85%, enabling personalized eyewear recommendations.
- Designed an AR try-on feature with OpenCV & Three.js, adopted by 216+ students for virtual fitting.

Anti-Phishing Chrome Extension | Published Chrome Extension *(~80 hours)* - Github hehe ***Mar 2025 - Present***

- Developed a Chrome extension that detects phishing attempts by analyzing page elements and user interactions in real time.
- Implemented AI-driven URL and content analysis to identify malicious sites, enhancing browser security with instant alerts.

Find That Pokémon | Passion Project *(~30 hours)* - Github HeHeHaHa ***Mar 2025 - Apr 2025***

- Built a computer vision model using TensorFlow and OpenCV to classify Pokémon from real-world images with high accuracy.
- Trained a Convolutional Neural Network on a custom dataset of Pokémon images, achieving 95%+ accuracy in identification.
- Deployed the model in React-based web app with FastAPI backend, allowing users to upload images and receive predictions.

Tinder for Roommates | Hackathon and Mobile App *(~37 hours)* - Github MuaHaHa ***Aug 2024 - Sep 2024***

- Developed a cross-platform roommate-matching app using MongoDB, Express.js, React Native, Node.js to help students
- Implemented a swipe-based UI with TypeScript, Vite, and SWC for optimized performance and fast builds.
- Designed a backend matching algorithm to pair users based on lifestyle preferences and compatibility scores.

Activities

Event Judge - Judged at FBLA CNLC, a nation wide business & tech competition in the SWE sector ***Jan 2025 - Mar 2025***

Incubator Entrepreneur - Involved with the Startup Lab Laurier incubator ***Sep 2025 - Present***

Hackathon Co-President - Building a hackathon for cracked software engineers, startup founders, and VC's ***Mar 2025 - Present***