

Joseph Jatou

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SKILLS

Languages Python (6 yrs) - JavaScript (5 yrs) - Java (3 yrs) - C++ (2 yrs) - SQL (1 yr) - Rust (1 yr)

Software AWS - GCP - Docker - Kubernetes - TensorFlow - JupyterNotebook - Selenium - Bootstrap - Git

EXPERIENCE

Co-Founder & Software Engineer

Nov 2024 - Present

GLANCE

Waterloo, ON

- Co-founded Glance, an AI startup providing personalized eyewear recommendations.
- Developed a full-stack web app using FastAPI, React, and MongoDB.
- Engineered ML models detecting 7+ beauty traits (e.g., face shape, eye color).
- Built an API for optical stores to integrate AI-powered product suggestions.
- Designed an enterprise dashboard for inventory and white-label store management.
- Conducted 75+ user interviews across 3 countries for market validation.

AI Research Intern - [Github HeHeHaHa](https://github.com/HeHeHaHa)

Sep 2024 - Jan 2025

WILFRID LAURIER UNIVERSITY

Waterloo, ON

- Collaborated with Dr. Emad Mohammed on AI medical diagnosis research.
- Authored the initial draft of a benchmarking paper for segmentation models.
- Built ML pipelines using Airflow, Docker, and ETL systems with avg. F1 score of 0.84.
- Fine-tuned 12+ tumor detection models on 10,000+ medical images.
- Accelerated literature review by 25% through analysis of 20+ papers.

AI PROJECTS

Eyewear Recommendation System | Hackathon to Startup (~900+ hours) - [Github da fudge](https://github.com/da-fudge)

Jan 2025 - Present

- Improved face-shape model accuracy by 85%, enabling personalized fits.
- Built AR try-on using OpenCV and Three.js; tested by 200+ student users.

Anti-Phishing Chrome Extension | Published Chrome Extension (~80 hours) - [Github hehe](https://github.com/hehe)

Mar 2025 - Present

- Developed a real-time browser extension to detect phishing attacks via DOM & UX signals.
- Integrated AI-based URL/content analysis and instant user alerts.

Find That Pokémon | Passion Project (~30 hours) - [Github HeHeHaHa](https://github.com/HeHeHaHa)

Mar 2025 - Apr 2025

- Created a dark-mode Pokédex desktop app using Python & CustomTkinter.
- Built a CNN classifier (95% accuracy) to recognize Pokémon in real-world images.
- Features included stat visualization, autocomplete, and CSV-backed storage.

Tinder for Roommates | Hackathon and Mobile App (~37 hours) - [Github MuaHaHa](https://github.com/MuaHaHa)

Aug 2024 - Sep 2024

- Built a React Native mobile app for student roommate matching.
- Used TypeScript, Vite, and MongoDB; implemented swipe UI and matching algorithm.

EDUCATION

Wilfrid Laurier University, Waterloo, Ontario

Expected Graduation: Apr 2028

Bachelors of Science in Computer Science, Minor in Business Administration

Activities

Event Judge - FBLA CNLC Tech Competition

Jan 2025 - Mar 2025

Incubator Entrepreneur - Incubator Entrepreneur

Sep 2025 - Present

Choir Singer - Angels Choir, Good Shepherd Chaldean Cathedral

Feb 2016 - Dec 2023