

Yousef Al-Wahami

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EDUCATION

University of Windsor

Expected Aug 2027

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Architecture

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C, C#, HTML/CSS

Technologies/Frameworks: React.js, Node.js, Express.js, Jest, Vite, Tailwind, Flask, FastAPI, NumPy, OpenCV, Sequelize, MySQL, PostgreSQL, MongoDB

EXPERIENCE

Backend Developer Intern

Sep 2024 – Dec 2024

Blaise Transit

Montreal, QC

- Achieved over **85%** test coverage using **Jest**, enhancing the reliability of backend systems
- Developed and maintained backend features, including **MySQL** integration with **Sequelize**, optimized queries, and database migrations
- Implemented organizational and client management features, such as optional **stripe_id** for organizations and guards for Stripe-based functionality
- Resolved critical bugs, including a formatter to fix data inconsistencies, improving system reliability

Software Developer Intern

Jan 2024 – Apr 2024

NextRipple

Toronto, ON

- Developed a full-stack **Task Management System** for admin task assignment and status tracking using **React.js**, **Node.js**, **Express.js**, and **MongoDB**
- Built and maintained **RESTful APIs** using **Node.js** and **Express.js** for efficient communication between the front-end and back-end
- Utilized **Mongoose** to connect, query, and manage data in **MongoDB**

WinHacks Internal Team

Sep 2023 – Feb 2024

University of Windsor

Windsor, ON

- Maintained and enhanced the website with **Bootstrap** serving over **180** users, ensuring robust performance and user satisfaction
- Coordinated with hackathon organizers to define project requirements, align on development strategies, and ensure timely delivery of features
- Contributed to website development through coding, UI/UX design, and content creation, improving overall functionality and user experience

Software Developer Team Lead

Oct 2021 – May 2022

Gadgetrix – gadgetrix.weebly.com

Windsor, ON

- Directed a team in creating and curating engaging content, including blogs, videos, and posts, to educate and inform about technology trends
- Held weekly meetings to set goals, discuss future objectives, and stay updated on the latest relevant information for the website

PROJECTS

HomeWorthAI  | *TypeScript, Tailwind, FastAPI, Pinecone, Llama, Detectron2, CLIP* Jan 2025 – Present

- Implemented RAG into an AI chat bot on a web application using **Pinecone VectorDB** and **Llama 3.3** curated towards California wild fire victims to help jog the users memory and help file insurance claims
- Leveraged **CLIP** to process image & text into embeddings, integrating them into a **Pinecone Vector Database** to implement **Retrieval-Augmented Generation (RAG)**
- Utilized **Meta's Detectron2** to accurately detect and identify valuables in images to help recover lost items

ArabicScriptAI | *React, Flask, Tesseract OCR, Vercel*

Jul 2024 – Sep 2024

- Developed a scholarly web application using **React** and **Flask** designed to help users learn and enhance their Arabic writing skills
- Engaged over **5** active users, who have shown **improvement** in their Arabic writing proficiency