

Jacob Dam

519-564-4049 | jacobdamwk@gmail.com | [Linkedin](#) | [Github](#)

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C, SQL, Bash, HTML, CSS, Lua

Frameworks & Tools: React, Next JS, Spring Boot, Express, Node.js, MongoDB, PostgreSQL, Docker, Git

Operating Systems & Tools: Linux Ubuntu, Windows 10, MacOS, VirtualBox Virtual Machine, VSCode IDE

EDUCATION

University of Windsor

Bachelor of Computer Science with Honours

Windsor, ON

Sep 2023 - Aug 2027

- **Overall GPA:** 89%
- **Relevant Coursework:** Data Structures and Algorithms, System Programming, Object-Oriented Programming

EXPERIENCE

Software Developer Intern

Pathomics.io

Jan. 2025 - Apr. 2025

Remote, Toronto, ON

- Designed and **developed** a bio-science analytics **dashboard** with TypeScript, React, PostgreSQL, delivering **visualizations** for **\$100K+** of genomics research data, while ensuring system reliability and data security.
- Collaborated with UX and QA teams to rebuild legacy website into React Web App for 15+ research teams.

Teaching Assistant

University of Windsor

Sep 2024 - Apr. 2025

Windsor, ON

- Led lab sessions for **100+** students, teaching algorithms, data structure, and refining communication skills.

Software Developer Intern

Glendor

Sep. 2024 - Dec. 2024

Remote, Draper, UT

- **Led** a team in designing and **building** a Python, OpenCV, **video tool** to detect and **ensor** sensitive health information for **1000's** of medical file, ensuring compliance with privacy and security standards.
- Created a **pipeline** applying state-of-the-art **AI** detection algorithms (YOLOv8, EasyOCR, InsightFace, etc.), improving processing efficiency by **20%** and integrating preventative error-handling and fault-tolerance measures.

Software Developer

FimiMall

Jan. 2024 - Sep. 2024

Remote, Milton, ON

- Shipped a **filtering** system with Elasticsearch and **Java Spring Boot** for e-commerce site with **10,000+ users**.
- **Built** and documented a chart management **REST API** using MongoDB and **Spring Boot** for **50+** retailers.
- Configured Kafka to enable event-driven communication between web app **microservices** and internal **APIs**.

PROJECTS

Quickli | *TypeScript, React Native, Java, Spring Boot, PostgreSQL, Expo, Stripe SDK, AWS S3*

- Built a mobile marketplace app connecting homeowners with local contractors using React Native and Stripe.
- Engineered Spring Boot backend with PostgreSQL, containerized via Docker and deployed with AWS S3 storage.

Code Typer | *JavaScript, React, PostgreSQL, Supabase*

- Developed a VSCode-themed web app for typing practice that tracks accuracy, speed, and progress.
- Utilized Supabase PostgREST relational database, handling user data, authentication, and live analytics.

ScreenScribe | *Bash, Lua, Tesseract OCR*

- Created an AI text recognition automation tool to turn screenshots into text. Saving **30+** hours of manual labor.
- Seamlessly distributed tool to **10+** students, using Bash scripts to streamline system setup.

EXTRACURRICULAR

President

UWindsor AI Club

Dec. 2024 - Present

Windsor, ON

- Lead an executive team in hosting and organizing AI/ML workshops and events for over **500+** members.
- Directed a 5-member engineering team to launch a React SPA, adding issue tracking, to mature the SDLC.