

DAVID ANUKAM

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 github.com/davidanukam  [portfolio-davidanukam](https://portfolio-davidanukam.com)

Education

University of Western Ontario

Bachelor of Computer Science — Minor in Software Engineering

Expected Graduation: April 2028

London, Ontario

- Earned **Dean's Honours List** standing at a **3.78 GPA** in Computer Science with a Software Engineering minor
- Built CS foundations through Data Structures & Algorithms, Software Engineering, Computer Architecture, Operating Systems, and Discrete Structures

Work Experience

Western Computer Science Undergraduate Society

Back End Developer | Website | Source Code

Oct 2025 – Apr 2026

London, Ontario

- Shipped a production **REST API** for **jobless.live** by modeling **10+** entities with **FastAPI**, **SQLAlchemy**, **PostgreSQL 15**, **Alembic** migrations, and **Pydantic v2**
- Hardened stateless sessions through **JWT** refresh tokens, **CSRF** protection, **PBKDF2-SHA256** hashing, rate limiting, and SMTP throttling
- Automated interview scoring and **LLM** feedback by integrating **TwelveLabs** over async webhooks, verified with **HMAC-SHA256** and **RSA/X.509**
- Cut release toil by containerizing with **Docker** and running **GitHub Actions** lint gates, **GHCRC** image pushes, and self-hosted deploys

IALA - Igbo Association of London and Area

Full Stack Intern | Website | Source Code

Jul 2025 – Aug 2025

London, Ontario

- Launched a **fully responsive** community website for **igbolondon.ca** using **Next.js** and **TailwindCSS**
- Enabled events, giving, and member access through a dynamic calendar with **RSVP**, a **user portal**, **Stripe/PayPal** donations, newsletter, gallery, and blog
- Delivered on schedule by working with **stakeholders** to lock requirements and ship within scope

Western Engineering Outreach

Senior Instructor

Jul 2025 – Aug 2025

London, Ontario

- Taught **1000+** students as a homeroom instructor through daily hands-on **STEM** sessions
- Kept **5+** daily lessons on target by designing **STEM** plans aligned to learning objectives
- Held an engaging classroom by managing group dynamics and prompting **critical thinking**

Projects

SubTrack | Website | Source Code

Next.js | **Supabase** | **Zod** | **Chrome Extension**

- Shipped a multi-workspace subscription tracker (web + Chrome extension) with **Next.js**, **Supabase Auth**, team invites, and **Zod**-validated APIs
- Linked the extension to accounts through **SHA-256** one-time pairing codes (5-min TTL) and a one-shot token-exchange RPC
- Logged **Stripe/PayPal** checkouts into workspaces by detecting on-page billing details through a bearer-token API

Western Wingman | Website | Source Code

Gemini AI | **Roboflow** | **YOLO** | **Next.js**

- Counted campus goose flocks and scored nesting/aggression risk from photos using **Roboflow YOLO** and **Google Gemini**
- Kept a live safety map accurate after hashed, expiring email approvals using **MapLibre GL** heatmaps and **Supabase Realtime**

CSNotes | Source Code

Next.js | **TypeScript** | **Markdown** | **KaTeX**

- Turned a git-backed Obsidian vault into a Western CS notes catalog using **Next.js** filesystem routing, **KaTeX**, and GitHub-flavored **Markdown**
- Made notes contribution-ready through GitHub issue/PR templates, asset-copy builds, and Markdown path rewrites

Leadership

Duzzenn | YouTube | Instagram

Mar 2021 – Present

- Reached **900+** developers and **50,000+** impressions by publishing educational coding content on YouTube and Instagram
- Broke down systems programming and automation through a **C++** sand sim (**10K** views) and a **Python OpenCV/OCR** typing bot (**5K** views)
- Hosted backend and LeetCode study streams (up to 9 hours) plus CS explainers and a Western **2212** Type Hero walkthrough

Technical Skills

Languages: Python, Java, C, C++, Go, Rust, SQL, PHP, HTML5, CSS, JavaScript, TypeScript

Developer Tools: Git, GitHub, GitHub Actions, Docker, PostgreSQL, Supabase, Alembic, Vercel, Linux, VS Code

Libraries/Frameworks: FastAPI, SQLAlchemy, Pydantic, Next.js, React, Zod, WebSockets, JWT, Tailwind, PyTorch, TensorFlow