

ABDULLOKH TULKINOV

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Education

University of Western Ontario

Sep 2023 – Apr 2028

Bachelor of Science, Honors Specialization in Computer Science | GPA: 3.3/4.0, Dean's Honor List

London, ON

Experience

Lamina Solutions

June 2025 – Aug 2025

Product Analyst Intern

Toronto, ON (Remote)

- Reduced task completion time by **30%** by conducting user research to identify usability friction points.
- Tracked and documented **10+** bugs using **Microsoft Excel** for engineering handoff.
- Conducted competitor analysis, translating feature tradeoff findings into prototypes to validate improvements.

Cosimo's No Frills

2020 – 2024

Grocery Clerk

Toronto, ON

- Assisted customers, stocked shelves, updated pricing, and supported general store upkeep in a retail environment.

Projects

Muscl3.com — 3D Muscle Explorer | *React, TypeScript, Three.js, Supabase*

Jun 2025

- Boosted user engagement by **25%** through an interactive 3D web app that visualizes muscle groups and workouts.
- Configured a **GitHub Actions** bash script to continuously monitor database availability and track uptime.
- Designed **SQL** tables and implemented data retrieval via the **Supabase** API for exercise data.

Secruxity — Old Devices as Security Cameras | *WebRTC, Cloudflare Tunnels, Gemini API, Next.js*

Nov 2025

- Self-hosted security system that repurposes unused devices into real-time **WebRTC** video streams, tunneled over **HTTPS** via **Cloudflare Tunnels**, locally storing image captures.
- Implemented **multi-route Gemini pipelines** for optional AI features, locally storing data such as **people-count detection** and real-time activity summaries.
- Designed a dashboard supporting up to **6 encrypted feeds** with single and multi-camera viewing.

Personal Cloud & Server Deployment | *Linux, Tailscale, SSH/SFTP, Git*

Ongoing

- Configured a **Tailscale VPN** mesh network across **4+** devices with **SSH** and **SFTP** remote access for file transfers.
- Used **Zabbix** to monitor daily server health, uptime, and services, resolving interruptions to maintain availability.
- Reduced idle power usage by **80%** by optimizing Arch Linux with lightweight background services.

Security Research Lab | *VirtualBox, Wireshark, Tails OS, Tor*

Ongoing

- Maintained **3+** **isolated VM instances** for OS experimentation and security research in an air-gapped environment.
- Configured **Tails OS** with **Tor** for fully traceless sessions while exploring decentralized cryptocurrency networks.
- Used **Wireshark** for continuous packet monitoring and traffic analysis to identify anomalous network behavior.

Technical Skills

Languages: JavaScript, Python, C++, Java, HTML/CS, Bash, SQL (PostgreSQL)

Systems & Tools: GNU/Linux, Windows, macOS, WSL, Git, GitHub, GitLab, Microsoft Office

Technologies: Wireshark, Tailscale VPN, Virtual Machines, SSH/SFTP, Cloudflare Tunnels, Next.js, React, Three.js, Supabase, API Integration (REST/LLM), Figma, Cursor

Leadership / Extracurricular

Stonegate CHC

Jun 2024 – Aug 2024

Camp Counselor & Promotions Assistant

Toronto, Canada

- Supervised daily activities for 25+ children, ensuring a safe and positive program environment.
- Designed digital flyers and posters in **Canva** to promote community events, helping boost turnout.

Etobicoke Humane Society

Jul 2022 – Dec 2022

Volunteer

Toronto, Canada

- Maintained health records for **20+** animals using **Microsoft 365**.
- Assisted adoption events and provided animal care support.

Awards

Dean's Honor List | *University of Western Ontario* — Maintained 3.7+ GPA in second year

2024 – 2025

Hackathon Winner, 3rd Place | *Overhaul 2025 Hackathon* — Accessibility focused grocery checkout app

Feb 2025

Certifications

Standard First Aid CPR/AED Level C

Jun 2025 – Jun 2028

Canadian Red Cross (Ontario)

Credential ID: 106177357

- First aid training inclusive for babies, children, and adults, including CPR and AED response.