ABDULLOKH TULKINOV

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Education

University of Western Ontario **Sep 2023 – Apr 2027**

Bachelor of Science in Computer Science | GPA: 3.5, Dean's Honor List *London, ON*

Experience

Lamina Solutions **June 2025 – Aug 2025**

Research & UI/UX Design Intern *Toronto, ON (Remote)*

- Improved task completion speed by 30% through redesigned user flows and interactive **Figma** prototypes.
- Created storyboards and wireframes for new projects, improving team alignment.
- Performed **competitor analysis** and assessed **development-time tradeoffs** to support product decisions.

Projects

Muscl3 — 3D Muscle Explorer | *React, TypeScript, Three.js, Supabase* **Jun 2025**

- Co-developed an interactive 3D web app that visualizes muscle groups and recommended workouts, enhancing user engagement by 25%.
- Implemented cloud-based storage and live workout data retrieval with **Supabase**, improving responsiveness and supporting more workout entries with no performance loss.

Secruxity — Old Devices as Security Cameras | *Next.js, TypeScript, Cloudflare, Gemini API* **Nov 2025**

- Co-developed a self-hosted security system that repurposes unused devices into real-time WebRTC video streams using Cloudflare Tunnels, locally storing captures.
- Implemented **multi-route Gemini pipelines** to add optional AI features such as **people-count detection** and real-time activity summaries.
- Designed a dashboard supporting **up to 6 encrypted feeds** with a toggle for single-camera or multi-camera viewing.

Personal Cloud & Server Deployment | *Linux, Tailscale, Filebrowser, Git* **Ongoing**

- Configured a secure home server using **Tailscale VPN** for private remote access and self-hosted cloud storage.
- Set up **Filebrowser** and **Git** for automated backups, syncing, and multi-device version control.
- Reduced idle power usage by 80% by optimizing **Arch Linux** with lightweight background services.

SmartCart — Overhaul Hackathon (3rd Place) | *React, TypeScript* **Feb 2025**

- Created an accessible grocery checkout system featuring voice commands, magnification, and child-friendly modes.
- Contributed UI/UX flows, accessibility logic, and frontend implementation in a team of 4.

Pet Care Desktop App (Course Project) | *Java, Maven, JavaFX* **Jan 2025 – Apr 2025**

- Built a desktop pet care game in a 4-member team.
- Contributed to wireframing, class design, and core gameplay modules, resulting in a **98%** project grade.

Technical Skills

Languages: JavaScript, TypeScript, Python, C, C++, Java, HTML/CSS
Frameworks/Tech: React, Three.js, Supabase, Next.js, Vite, Tailwind CSS, API Integration (REST & AI/LLM)
Tools: Figma, Git, GitHub, GitLab, Cursor, Cloudflare

Leadership / Extracurricular

Etobicoke Humane Society **Jul 2022 – Dec 2022**

Volunteer *Toronto, Canada*

- Maintained animal health records using **Microsoft Excel** and **OneDrive**, supporting efficient care for 20+ pets.
- Assisted adoption events and provided animal care support.

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.