Elvya Ané

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Education

University of Ottawa Ottawa, ON

Joint Honours BSc in Computer Science and Mathematics, Co-op *Sep. 2025 – May 2029 (expected)*

- CGPA: 8.82/10 | Dean's Honour List (Fall 2025), earned while working part-time
- Coursework: Data Structures & Algorithms, Linear Algebra, Computer Architecture, Digital Systems

Technical Experience

Tenshi | stillaliveby.design | *Node.js, Express, TimescaleDB, Whisper, Llama 3.1, Vultr, Arduino* Oct. 2026

- Won 2nd place (Project KAZE challenge, Hack the Valley 11) with a "dead man's switch" for nights out that gets help to someone who stops responding, no button press needed
- Engineered a server-side 5-stage escalation (nudge, alarm, PIN stand-down, trusted contact, wider circle) that still sends a live location and AI-written summary even after the user's phone dies
- Kept 100% of user audio off third-party AI by self-hosting Whisper, Vosk and Llama 3.1 on Vultr for in-memory distress detection; risk engine forecasts battery death and slow replies to adapt check-ins

Classmark | classmark.vercel.app | *React, TypeScript, Supabase, PostgreSQL, Vercel* Oct. 2026 – Present

- Designed, built and launched solo a live web app that ranks verified students by percentile against peers on GPA, projects and internships
- Made it impossible to single out any student with PostgreSQL row-level security, 5-person minimum groups and guards against de-anonymizing by stacking filters
- Locked access to verified students with school-email one-time codes; shipped with 84 automated tests (unit, database, Playwright end-to-end)

Viralense | *Node.js, Express, TimescaleDB, PostGIS, WebSockets, Leaflet* Sep. 2026 – Present

- Building a public-health web app that warns residents which city zones carry sickness risk, fusing symptom reports with in-browser cough detection
- Designed a 0–100 risk index over a 500 m zone grid, streamed live to a heatmap over WebSockets; privacy-first schema (salted IDs, 100 m location rounding, 14-day retention)

Clash of Slops | *Hack the Hill III* Sep. 2026

- Built a live multiplayer AI image-prompt battle game in a weekend

Work Experience

Freelance Web Designer Oct. 2026 – Present

Portfolio Websites & Resumes *Remote*

- Delivered personal portfolio websites and resumes for 8 student clients, each tailored to the client's personality

Simons Aug. 2025 – Dec. 2025

Customer Experience Associate *Ottawa, ON*

- Served a high volume of customers in English and French through the back-to-school, Black Friday and holiday rush, retail's busiest season

Awards

2nd Place, Project KAZE Challenge – Hack the Valley 11, Toronto (for Tenshi, above) Oct. 2026

Prix Jeunesse en TI – Hydro-Québec Expo-Sciences (volumetric display research, 10 judges) Mar. 2025

Technical Skills

Languages: Python, Java, C++, JavaScript, TypeScript, SQL, Verilog, HTML/CSS
Frameworks & Data: Node.js, Express, REST APIs, React, PostgreSQL, Supabase, WebSockets
AI & Cloud: Whisper, Llama, Claude API, Vultr, Vercel, Docker
Tools: Git, GitHub Actions, Playwright, Linux, FPGA
Spoken: English and French (fully bilingual), Spanish (basic)