Gregory Ovis

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Education

University of Waterloo — Waterloo, ON
Bachelor of Computer Science and Finance — *Sep 2026 – Apr 2031*

- **Schulich Leader Scholar** ($100,000 scholarship); deferred one year for a full-time SWE role at Wealthsimple

Experience

Wealthsimple — Sep 2025 – Present
Software Engineering Intern (Full-Time) — *Toronto, ON*

- Spearheaded product and engineering improvements to Wealthsimple's corporate margin product, increasing corporate margin account openings by **2,000%** and generating **$40M+** in additional margin debit
- Built the **Temporal** workflow engine for the Unreal Deal, Wealthsimple's largest promotion ($16.9B in transfers initiated, 840K registrations, $300M+ in five-year payouts), moving execution off the warehouse and paying clients on time during a first-run warehouse outage
- Shipped the client-facing surface for Monthly Millionaire, a weekly $25K-to-$1M giveaway with **2M+** registrations and **$3B+** in client deposits, building the campaign home, live-entry breakdown, and chequing-dashboard banners across **React Native** and web with English/French localization
- Delivered Wealthsimple's first large-scale **Braze** banner integration, combining vendor-served content with engineered UI through designated render slots; highlighted as a key engineering win in the launch ShipIt
- Delivered a legally required margin-upgrade notification across two **Rails** services, fixing a campaign that had never sent working emails, closing a silent non-notification path, masking account-number PII, and enabling a 100K+ historical backfill

Projects

Orator: Voice & Charisma | *Co-Founder & Full-Stack Developer; Swift, WebSockets, Modal, Azure* — 2026

- Co-founded, engineered, and shipped a native **Swift** iOS app for voice practice and real-time AI coaching to the App Store; reached **750+** users and **$1,500+** in revenue
- Built a **WebSocket** voice AI pipeline (Deepgram STT → Groq LLM → Cartesia TTS) with sub-500ms perceived response latency
- Architected a three-layer analysis pipeline separating deterministic acoustic metrics (pitch, pacing, fillers, VAD, pauses) from pathway-specific scoring and LLM coaching, with Whisper on Modal, Azure phoneme-level pronunciation assessment, and chunked audio upload during recording
- Added multi-provider LLM failover (Cerebras → Groq → OpenAI), accuracy-validation harnesses, and per-stage latency/cost telemetry; migrated TTS to cut costs ∼6x and first-byte latency below 100ms

Derm AI | *Founder & Full-Stack Developer; Flutter, Node.js* — 2026

- Designed, built, and launched a personalized men's skincare app in **Flutter**, reaching **1,000+** downloads; created a custom photo-based skin-analysis and routine-generation service in **Node.js**

Awards

- **Winner, HackSimple** (2026; Wealthsimple intern hackathon, 3-person team): built an LLM financial assistant grounded in 12 months of user data, with action cards that executed transfers, account openings, and automations inline from chat
- **2nd Place**, Lockheed Martin CodeQuest (2024; 2,000+ participants); **Winner**, Best DEI Hack, GDSC Hacks (2024; 242 participants); **Winner**, WaffleHacks (2023; 524 participants); **3rd Place**, BxMCTF Cybersecurity CTF (2023; 650+ teams); **Winner**, Best Video Game, JAMHacks 7 (2023; 136 participants)

Technical Skills

Languages: Swift, Python, JavaScript/TypeScript, Java, Ruby
Frameworks: React Native, React, Node.js, Ruby on Rails, Flutter, Temporal, WebSockets
Platforms & Tools: AWS, Modal, Azure, Deepgram, Braze, MongoDB, Vercel, Git/GitHub, Figma
Spoken Languages: English, French, Russian (fluent); Spanish (beginner)
Activities: Competitive swimming (national level), YC Startup School, Standard First Aid + CPR C