Adam Selim

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EDUCATION

University of Waterloo   Waterloo, ON
Bachelor of Computer Science, Specialization in Artificial Intelligence   *Sep 2024 – Present*

TECHNICAL SKILLS

Languages & Frameworks: Python, Java, C, C++, JavaScript, TypeScript, HTML, CSS, SQL, React, Node.js, Next.js, TailwindCSS

Tools & Libraries: Git, GitHub, VS Code, Visual Studio, Excel, Linux, Unix, Supabase, OpenCV, OpenAI, Google Maps API, Google Sheets API, flask, RESTful APIs, Framer Motion, Gitlab, Google Cloud Platform, MongoDB

EXPERIENCE

AI & Product Developer   May 2025 – Present
Stealth Startup   *Victoria, BC*
- Building AI backend systems using Azure & MongoDB for transcription and data classification + management

Co-Founder & CTO   Nov 2024 – Present
Lunero (Website here!)   *Waterloo, ON*
- Co-founded an AI-driven real estate platform that connects buyers and sellers with the ideal realtor based on their preferences, growing a waitlist of over **300+** users
- Engineered a scalable web application using **TypeScript, React, Next.js, Node.js**, and **Supabase**, reducing search time by **75%** and improving user retention by **45%**.
- Enhanced backend efficiency with **PostgreSQL** and **RESTful APIs**, cutting matchmaking time by **30%** while maintaining **99.9%** uptime through CI/CD pipelines
- Presented to leading VC firms, such as Sequoia Capital and a16z, as 1 of 8 teams selected from **350+** applicants

AI Strategist / Developer   Sep 2023 – Jan 2024
iSTORM New Media   *Kingston, ON (Remote)*
- Engineered AI-driven copywriting prompt templates and scripts using **JasperAI** and **GPT-4**, reducing manual content creation effort and increasing blog output by **40%** for client marketing campaigns
- Developed system prompts tailored to brand identity, enabling clients to generate high-converting marketing voices
- Earned **3+** Google certifications covering ads search, performance measurement and online analytics

Co-President & Co-Founder   Dec 2022 – Jun 2024
EurekaHACKS   *Oakville, ON*
- Co-founded Canada's largest annual high school hackathon with over **200** participants and **20** major sponsors
- Raised funding, recruited staff and judges, planned events and executed day-of-event logistics
- Automated registration process by building Zapier flows to connect Tally forms to sheets and email services
- Developed authentication bot which verifies students' emails using Discord.py and Google Sheets API via **Python**
- Developed and maintained 2023 sponsorship portal using standard **HTML/CSS and Javascript**

PROJECTS

No Hooting Around – Winner @DeltaHacks XI | GitHub |*Javascript, HTML/CSS, Python, flask*   Jan 2025
- Led team to develop a **Chrome extension** to assist students with ADHD by analyzing their current web activity against their preset study goals and intelligently blocking distracting off task content redirecting them back on task
- Built backend server to serve custom prompt **Gemini RESTful API** endpoints, processing screenshots contrasted to set study goals to determine how off task the user is, gathering additional context from the user when unclear
- Designed and implemented multiple transitions and animations for the product's owl avatar using **CSS/JS**
- Deployed backend using **Google Cloud Functions** and published extension to Chrome Web Store

EasyASL – Winner @Hack the Valley 9 | GitHub | *TypeScript, Next.js, Tailwind, OpenAI*   Oct 2024
- Led team to develop a web app to enhance ASL learning and certification for the hard-of-hearing community
- Implemented the **first publicly available ASL translator** that includes complex motion recognition for comprehensive sign language translation, beyond the basic letters and numbers processed by alternative solutions
- Built backend **APIs in Node.js** using the Picsart Image API and fine-tuned OpenAI models and with training data frames for ASL gesture image processing and grammar correction
- Implemented a certification feature that uses webcam input to assess professional ASL proficiency in real time