

ALI RAZA

+1 (647) 996-4892 · ali-raza@live.ca · ali-raza.ca · razas32 · razas32

EDUCATION

McMaster University

Jun 2026

Bachelor of Computer Engineering & Management

- Completed core DeGroote School of Business coursework in finance, operations, and strategy through McMaster's integrated program.
- Recipient of the 2020 McMaster Entrance Honor Scholar Award

SKILLS

Languages: TypeScript, JavaScript, Python, Rust, C++, C, Verilog, Java, SQL

Frameworks & Libraries: React, React Native, Expo, Next.js, Tailwind CSS, Zustand, Zod, NumPy, Pandas

Infrastructure & Tools: PostgreSQL, Supabase, AWS S3, Upstash Redis, GitHub Actions, Vercel, Cloudflare Workers, D1, Sentry, PostHog, Git

AI & ML: OpenAI API, Anthropic API, PyTorch, MCP

WORK EXPERIENCE

Technical Founder | Famzy Inc. | Mississauga, ON

Nov 2025 – Present

- Shipped a TypeScript-based family management superapp with an Expo/React Native mobile app backed by a Next.js backend.
- Developed a feature suite spanning shared calendars, live location sharing, chat, tasks, lists, media galleries, and documents, engineering recurring scheduling, background geofencing, realtime and offline sync, signed upload pipelines, and Google and Outlook calendar sync.
- Designed and deployed Ella, an in-app AI agent powered by the Anthropic API, handling natural language family queries and contextual responses through custom native tooling with CRUD capabilities across every feature in Famzy.
- Led a team of 4 while owning product direction, UI/UX, feature design, programming, and go-to-market work.

B2C Solar Sales Consultant | Freedom Solar Pros | Houston, TX

May 2025 – Aug 2025

- Closed 13 high-ticket residential solar agreements in 45 days through door-to-door outreach, territory planning, and consistent follow-up.
- Owned the full sales cycle from prospecting, discovery, and utility-bill analysis through proposal presentation, objection handling, contract execution, and handoff to site survey and operations while averaging 100 doors per day across Houston neighborhoods.
- Partnered with operations teams to guide signed deals into install scheduling and permitting, helping keep post-sale execution clean.

IT Technician Intern | Septodont | Cambridge, ON

Jan 2025 – Apr 2025

- Co-led a print system rollout across Canada, the U.S., and France and helped push through a company-wide MFA and ZTNA security upgrade.

Data Analyst Intern | Vanguard Financial | Mississauga, ON

May 2023 – Aug 2023

- Led development of a full-stack payroll processing system standardizing data inflow and export pipelines, eliminating manual entry, reducing processing time, and accelerating reconciliation across 30+ business client accounts.
- Automated bank statement reconciliation via Python, processing ~1,000 transactions/week at >99% accuracy; contributed to a SQL database overhaul including full schema redesign, query optimization, and data migration.

PROJECTS

Polsa - Esports Tracker & Live Social Overlay | React Native, Expo, TypeScript, Rust, Cloudflare Workers, D1

Jan 2026 – Present

- Built a native iOS app (Expo / React Native) and a Rust Windows overlay over one Cloudflare Workers backend, stitching schedules, live brackets, standings, rosters, and pro VODs from four unofficial sources into unified team and player profiles through a D1 matching layer.
- Built the Rust Windows overlay to link a player's account through the game's official stats API and broadcast their live match stats to the world in real time, turning solo play into a lightweight social feed where friends follow and react to each other's games.
- Routed every third-party call through the Worker so clients ship no API keys, generating access tokens on the server and edge-caching responses to respect rate limits, so when an unofficial source broke, one edge deploy fixed it for every user with no app update.

Ivy - AI Study Platform | Next.js, TypeScript, React, OpenAI API, Tailwind CSS

Sep 2025 – Apr 2026

- Built an AI ingestion pipeline that converts uploaded PDF/TXT course material into structured courses, tasks, deadlines, flashcards, and quizzes, feeding a unified study workspace for dashboard, calendar, task, and Pomodoro planning.
- Engineered authenticated Next.js and Supabase flows with typed persistence and BYOK OpenAI integration, handling rate limits, retries, and user-facing error states, plus resume analysis and cover letter generation features for student career workflows.

Hardware-based Image Decompressor | Verilog, Quartus Prime, ModelSim

Oct 2023 – Dec 2023

- Designed a real-time Verilog FSM decompression pipeline performing YUV-to-RGB color space conversion within tight hardware resource and timing budgets, functionally verified through ModelSim simulation on an Altera DE2-115 FPGA.
- Managed end-to-end UART data flow for SRAM decoding and storage, directing the decoded output stream to a VGA controller for real-time monitor display while resolving memory addressing, bandwidth, and pipeline timing constraints.