

Georges Abi Chahine

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EDUCATION

McGill University

Bachelor of Engineering in Software Engineering, minor in applied AI; GPA: 4.0/4.0

Montreal, QC

Aug. 2025 – May 2029

EXPERIENCE

Software Developer Intern

ESMIA Consultants

May 2026 – Aug. 2026

Montreal, QC

- Reduced recurring software costs by \$2,000/month by replacing a paid third-party reporting platform and ~159 vendor-generated tables with a configurable TypeScript, NestJS, PostgreSQL, Prisma, and React engine processing ~11M result rows in-database
- Developed an end-to-end scenario automation system across React, NestJS/PostgreSQL, and Python/FastAPI, reducing solver-input generation by ~97% for 30-run batches from ~3.1 GB to ~105 MB
- Optimized a 14.5M-row Python data pipeline using vectorized and targeted processing, cutting a major transformation from 5,613s to ~900s (~84%) and reducing a merge's peak memory from ~11 GB to ~0.5 GB
- Fixed a destructive PostgreSQL incremental-import bug that could overwrite unrelated scenario data, preserving existing records across re-uploads and validating correctness on tables with 9.4M+ rows

VP Projects & AI/ML & Full-Stack Developer

Google Developers Group – McGill University

Sept. 2025 – Present

Montreal, QC

- Contributed to Uni-Verse, a campus event platform serving 1,000+ students using Next.js 16, TypeScript, and Supabase, with 30+ routes, SSR, and a Postgres-native personalized recommendation engine scheduled via pg_cron
- Built a bilingual (EN/FR) NLP event classifier processing Instagram posts across 12 categories, with a 3-tier confidence pipeline routing content to auto-approve, manual review, or discard
- Designed 12 reusable components and 9 custom React hooks, improving development for a 12-developer team

TECHNICAL PROJECTS

goAction | *Next.js, Tauri, Auth0, ElevenLabs, Gemini* | *McHacks 13 Winner – Best Use of ElevenLabs* Jan. 2026

- Won Best Use of ElevenLabs among 200+ participants building a voice-to-action productivity platform
- Automated 90% of note-taking via Next.js 16, Tauri 2, ElevenLabs AI, and Gemini 2.5 with calendar integration

Reframe | *Next.js, TypeScript, Convex, Clerk, Stripe, Gemini*

Oct. 2025 – Nov. 2025

- Deployed production SaaS processing 100+ video analyses with 95% cost reduction via intelligent caching
- Implemented 3-tier Stripe subscription system with Auth0 and feature gating for 50+ active users

MechePro | *React, TypeScript, Django, Docker, MongoDB, Yahoo Finance API*

Jan. 2025 – June 2025

- Engineered trading platform detecting 15+ chart patterns at 85% accuracy with sub-2s load times
- Built custom drawing toolkit improving trader workflow efficiency by 60% vs. traditional tools

Aerthis | *React, Next.js, Flask, Gemini* | *MLH JackHacks*

May 2025

- Visualized environmental data for 150+ countries with a 3D interactive globe and AI sustainability insights
- Implemented interactive 3D controls with dynamic heatmap overlays highlighting pollution trends across regions

CERTIFICATIONS

AWS Certified AI Practitioner | *Bedrock, SageMaker, Amazon Q, Rekognition*

Jan. 2026

AWS Certified Cloud Practitioner | *IAM, EC2, S3, RDS, architecture, security*

Jan. 2026

Oracle AI Foundations Certification | *AI/ML/DL, neural networks, generative AI*

Aug. 2025

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, TypeScript, JavaScript, React, Next.js, Django, Flask, HTML/CSS, TailwindCSS, SQL

Tools & Technologies: Git, AWS (EC2, S3, RDS, Bedrock, SageMaker), PostgreSQL, Prisma, Supabase, MongoDB, Convex, Vercel, Stripe, Auth0, Google Gemini, ElevenLabs, GAMS, LibreOffice automation