Jad El Asmar

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Education

University of Toronto, BSc. Computer Science   Graduating June 2026

- Software Tools, System Programming, Theory of Computation, Data Science, Data Structures.

Skills

Languages: Python, Javascript/Typescript, Java, SQL, NoSQL, C, Go, CSS/HTML

Technologies: AWS, GCP, Git, React.js, PyTorch, Node.js, Docker

Soft Skills: Time management, Leadership, Communication, Problem-solving, Work ethic

Experience

Software Engineer Intern, Jitto – Etobicoke, ON   Jan 2025 - Present

- Working on admin -facing systems, tools and logistics automation's using AWS & Python.

Founder, Self Employed – Remote   Apr 2021 - Present

- Developed a top 0.1% app with 45,000+ users on the Discord platform, with 99.9% up-time.
- Analyzed 700+ million unique data points with SQL to drive a 40% increase in MRR.
- Cut computing costs by 70% on Google Cloud Platform by optimizing VM memory utilization.

ML Engineer, Google Developer Group – University of Toronto   Dec 2024 - Present

- Designing a model to solve mathematical proof statements using Lean4, faster than current models.
- Researching and experimenting reinforcement methods. Still work in progress (results inconclusive).
- Developing a web app that integrates our custom API and streamed AI responses.

Web Developer, Accel Web Design – Remote   Oct 2023 - Feb 2024

- Held meetings with clients to understand business needs & created unique/specific solutions.
- Increased client revenue by up to 32% through React.js-based development and SEO optimization.

Technical Lead, Diffcord – Toronto, ON   Mar 2023 - Sep 2023

- Led development of Diffcord, managing a team of 2 and scaling to 15,000+ users in 10 days.
- Optimized server resources to handle 550,000 monthly visits, cutting costs by 50% in 2 months.
- Integrated Stripe and PayPal for secure payment processing and Discord OAuth 2.0 for secure login.

Projects

FocusPDF – AI Study Tool   focuspdf.com

- Developed an AI integrated PDF reader for students to increase study efficiency and retention.
- Improved data security by implementing end-to-end encryption regarding file data.
- Tools Used: Typescript, Next.js, React.js, Supabase, TailwindCSS, OpenAI