

Faizan Naseer

437-878-8110 | [Email](#) | [LinkedIn](#) | [GitHub](#) | [Website](#)

EDUCATION

University of Toronto

Toronto, ON

Bachelor of Science in Computer Science

Sep. 2021 – Dec. 2025

- **Courses:** Linear Algebra, Software Design (**Java, React, Docker**), Systems Programming (**C**), Data Structures & Algorithms (**C & Python**), ML & AI (**PyTorch**), Databases (**PostgreSQL**), Operating Systems (**Linux**), HCI (**Figma**)
- **Awards:** UofT International Scholar Award (**\$7,500**), UofT Scholar Award (**\$100,000**), Dean's List Scholar
- **Certifications:** Deep Learning & Neural Networks (PyTorch) - DeepLearning.AI

EXPERIENCE

Software Engineer

Jun 2026 – Present

Stripe

- Building products and infrastructure on **Stripe Connect** to support monetization, growth, and platform operations for **11M+ businesses** worldwide.

Software Engineer Intern

Jan 2026 – Apr 2026

Super.com

- Architected and deployed a **Kafka-driven event pipeline (Python, Celery)** to process **subscription lifecycle events** and trigger automated unenrollment from external credit services, eliminating **thousands of dollars in monthly billing leakage** and enforcing cross-system consistency.
- Implemented a **high-throughput Kafka consumer** with **idempotent task execution, retry semantics, and failure handling**, improving correctness and reliability of **real-time state transitions** across distributed services.
- Developed **feature-flagged React/TypeScript interfaces** with **typed API integrations (TRPC/REST)**, shipping Credit Hub workflows that increased user engagement by **20%**.
- Owned **end-to-end feature delivery** across frontend, backend APIs, and analytics systems (Amplitude, attribution pixels), reducing user-facing errors by **30%** and enabling **experiment-driven iteration** on high-traffic credit flows.

Software Engineer Intern

Sep 2025 – Dec 2025

Ridges

- Developed an end-to-end **autonomous coding agent** that **diagnosed issues and generated fixes** via GitHub APIs, automating up to **50% of maintenance tasks** through integrated **issue tracking and validation pipelines**.
- Engineered and **improved AI agent evaluation workflows** using **Python, FastAPI, and PostgreSQL**, **reducing validation latency by 25%** through async task queues, improved orchestration, caching, and scalable APIs.
- Developed a **Next.js/React dashboard** with **real-time telemetry and edge caching**, providing end-to-end visibility across agent execution and **reducing frontend load times by 40%**.
- Designed and optimized **scalable distributed systems** with **multithreaded processing and intelligent caching layers** across core evaluation services, improving request throughput and **reducing latency by 40%**.

Data Engineer

Sep. 2025 – Present

Cohere

- Improved **LLM code generation accuracy by 15%** through the **auditing, labeling, and ranking** of 200 AI-generated Python, JavaScript, and SQL outputs used in reward modeling and fine-tuning.
- Provided **systematic feedback on error trends** (e.g., SQL query structure, Python loop inefficiencies), enabling the data quality team to **streamline 3+ annotation pipelines** and accelerate training cycles.

Project Manager

May 2020 – Sep. 2021

Silicon Fen Venture Fund

- Led **technical coordination for 20 youth-led startup projects** by **developing scheduling systems** for 20+ industry seminars, weekly advising sessions, and mentor networking events, **accelerating startup progress velocity by 40%**.
- Engineered a **data-driven, resource allocation system using Python** to manage and distribute **\$10,000+** in prototyping funds across 5 partner schools and local ventures, improving transparency and funding efficiency.

PROJECTS

GPT | *Python, PyTorch, Git, TorchTyping, LLMs*

- Built core ML components for a **generative pre-trained transformer** in **PyTorch** (multi-head attention, residuals, normalization, feed-forward) with causal masking and token/positional embeddings for autoregressive generation.

TECHNICAL SKILLS

Languages: C, Python, Java, R, JavaScript, TypeScript, HTML, CSS, Racket, Haskell, Swift, PostgreSQL, Kotlin, Terraform

Frameworks: React, Express, Node, React Native, Next, Vercel AI SDK, LangChain, LangGraph, Exa, CrewAI, Redis

Tools: AWS, MongoDB, Supabase, Docker, Jira, Git, Figma, Android Studio, Firebase, Linux, Agile, Cursor, Claude Code

Libraries: Pandas, NumPy, Matplotlib, socket.io, scikit-learn, Crawl4AI, PyTorch, Tensorflow, Keras