

HIND ASAAD

Toronto, ON (Open to Relocation) | +1 (647) 961-6156 | hindasaad03@gmail.com
hindasaad.com | linkedin.com/in/hind-asaad | github.com/hindassaad

EDUCATION

McMaster University - Bachelor of Engineering (B.Eng.), Mechatronics Engineering Sep 2021 – Dec 2026 (Expected)

- Awards: Dean's Honour List (2021–2025), Engineering Award of Excellence (95%+ Admissions Average)
- Relevant Coursework | [Data Structures & Algorithms](#), [Networks & Security](#), [Operating Systems](#), [Compilers](#), [AI](#)

EXPERIENCE

Shopify Inc

Sep 2025 – Dec 2025

Software Engineering Intern | Ruby, GraphQL, React, TypeScript, GCP, SQL, Sidekiq, BigQuery

Toronto, ON

- Architected backend job processing for e-commerce app to bound execution times for **11.2M+** jobs, stabilizing job service times from a variable **2 hrs** to a max of **1.1 mins** & enabling meaningful alerts with low latency (**<20ms**)
- Reduced job wait times by **90%** by provisioning GCP worker pods & weighted job queues to optimize server usage
- Eliminated **\$34.7M** erroneous charges by developing row-level SQL filters to prevent duplicate items during checkout
- Led team's first API migration & moved pagination from frontend to backend to restore visibility to **\$1.75M+** GMV
- Led implementation of **feature flag infrastructure** with low error rate (**<0.1%**) to support phased feature rollouts and rollbacks to **8.2k+** merchant stores & enable peer engineers to safely deploy hundreds of PRs

Ciena Corp

Sep 2024 – Sep 2025

Software Engineering Intern | Python, FastAPI, PostgreSQL, AWS, SQLAlchemy, Terraform, DataDog

Remote, ON

- Designed **REST API** integrating Rapid7, Armis & ServiceNow to automate vulnerability management with network blocking for non-compliant devices across **4000+** Ciena devices scanned weekly, for use by security team
- Reduced query times to database from **2000 ms** to **12 ms** by using aggregator functions and indexing foreign keys
- Shipped Atlassian token expiration mail service to preempt authentication failures for **150+** Ciena engineers
- Wrote **410+** unit tests to increase test coverage from 50% to **88%** using unittest and PyTest frameworks

Jetson Infinity

May 2024 – Aug 2024

Software Engineering Intern | Python, C++, OpenCV, Llama3, YOLOv5, Selenium

Hamilton, ON

- Implemented chatbot for use in Zoom pitches with clients leading to a **75%** close rate, helping generate **\$60K** revenue
- Developed **9** AI-based modules for robotic arm as part of **OOP** curriculum for **5k+** students across Canadian schools

Noze Inc

May 2023 – Aug 2023

Software Engineering Intern | Python, C++, React, TypeScript

Montreal, QC

- Presented intern project to **Bill & Melinda Gates Foundation** to help secure **\$1.7M grant** for the company
- Reduced time spent on QA by **50%** by spearheading creation of embedded system to automate quality checks of PCBs
- Designed PCB selection UI to eliminate manual QA-related errors for 12+ lab technicians, saving **\$600 daily**

PROJECTS

Contactless Computer Control (demo)

Python, OpenCV, PyGame, C++, Arduino

- Built contactless AI-powered interface enabling users with limited mobility to control cursor and keyboard via facial movements and finger gestures, achieving real-time response at under **50 ms** latency

TECHNICAL SKILLS

Languages | Python, C/C++, SQL, Ruby, TypeScript

Frameworks | React, Ruby on Rails, GraphQL, FastAPI, SQLAlchemy, PyTest, Jest

Tools | AWS, GCP, PostgreSQL, Datadog, Redis, Terraform, Postman, Git, Bash, Graphite, npm