

IBTESAM NAEEM

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EDUCATION

Wilfrid Laurier University

Honours Bachelor of Science in Computer Science, Minor in Finance

- Relevant Coursework: Data Structures & Algorithms, Accounting & Economics

Waterloo, ON

Expected Apr. 2026

EXPERIENCE

Amazon Seller Central

E-Commerce Management

- Developed Python automation tools with web scraping and APIs, optimizing inventory and pricing strategies by 25%.
- Analyzed datasets using pandas for data-driven arbitrage insights, contributing to 31% YoY revenue growth.

Feb 2022 – May 2024

Remote

Deputy Technology Officer

Elections Ontario

- Collaborated with cross-functional teams to maintain secure tech infrastructure, ensuring 100% compliance.
- Provided technical support for 200+ devices, enhancing operational efficiency and stakeholder workflows.

Jun 2022 – Present

Cambridge, ON

PROJECTS

WealthsimpleWatcher | Python, PostgreSQL, Selenium, Twilio, SendGrid

- Led product development with Selenium to collect Wealthsimple and market data, reducing manual effort by 30%.
- Designed a PostgreSQL schema for data synthesis, driving user research-based alerts (e.g., earnings, econ trends).
- Collaborated on agile delivery of real-time SMS and weekly emails, defining success metrics with S&P 500 insights.

FinTech SignalBot | Python, Selenium, TensorFlow, APIs

- Defined a consumer Twitter bot for real-time market insights, synthesizing financial data for 100+ users.
- Track 80+ events weekly, including unusual movements, 52 week highs & lows.
- Prioritized features via user research, using TensorFlow to improve insight accuracy by 15%.
- Collaborated with teams to ship on AWS, iterating with analytics for agile consumer product delivery.

Fixed-Income Bond Pricing Model | Java, Apache Commons Math, PostgreSQL

- Built a Java tool to optimize bond pricing and risk metrics, synthesizing data for portfolio decisions.
- Enabled real-time analysis with PostgreSQL, achieving sub-50ms queries across 1,000+ records.
- Streamlined insights, cutting computation time by 40% for financial stakeholders.

TECHNICAL SKILLS

Languages: Python, SQL, Java, C/C++, JavaScript

Frameworks & Tools: Selenium, Twilio, SendGrid, FastAPI, React, Git, GitHub

Data & Analysis: pandas, NumPy, TensorFlow, PostgreSQL, Apache Commons Math

Cloud: AWS (EC2, S3), Google Cloud Platform (GCP)

LEADERSHIP EXPERIENCE

Volunteer, Event Setup

The GoldenHack 6.0

- Assisted in setup and operations for a 300+ participant hackathon, ensuring agile execution and team coordination.
- Collaborated with organizers to troubleshoot on-site issues, enhancing participant satisfaction.

Jun 2024 – Present

Waterloo, ON

Volunteer

HawkHacks

- Supported logistics and onboarding, enhancing experience for a 200+ person hackathon.

May 2024 – May 2024

Waterloo, ON

Technical Support Volunteer

Local Mosque

- Managed tech support for computers, microphones, and speakers, boosting event reliability for 400+ attendees.
- Assisted team with AV systems, improving setup efficiency for community events.

Jan 2022 – Present

Waterloo, ON

Open-Source Contributor

GitHub Finance Community

- Contributed to financial automation projects, enhancing tools for 200+ developers.
- Engaged in code reviews and feature planning, driving community-driven fintech solutions.

Jan 2023 – Present

Remote