

# Alireza Ezaz

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## PROFESSIONAL SUMMARY

Highly motivated and Detail-oriented CS graduate specializing in software engineering and full-stack development. Built and shipped web applications and APIs; strong in code review, debugging, testing, and improving performance reliability. Eager to contribute in software engineering, software development, or data analytics roles, leveraging my technical, analytical, and interpersonal skills in agile teams.

## CORE SKILLS

- **Programming Languages & Frameworks:** Python, Java, Angular, SQL, TypeScript, HTML, CSS
- **Software Development Practices:** Agile Programming, Software Engineering, Teamwork, Code Review, OOP
- **Systems & Tools:** Git, Version Control, Gira, VS Code, Operating Systems
- **Design & Architecture:** System Design, API Development, User Interface Design, Algorithm Design, Data Analysis, Debugging
- **Problem Solving & Management:** Problem-Solving, Uncertainty Management

## EDUCATION

**Brock University**

Sep 2023 - Aug 2025

### Master of Science in Computer Science

- Supervisor: [Naser Ezzati-Jivan](#)
- Thesis: TAAF: A Trace Abstraction and Analysis Framework Synergizing Knowledge Graphs and LLMs
- GPA: 4 / 4
- **Edgar and Irmgard Penner Trust Scholarship | 2024**  
Issued by Brock University. Awarded to full-time international graduate students who achieve high academic standing.
- **Best Poster Award | 2024**  
Issued by Brock University. Recognized for the Best Poster Award at Brock AI Day 2024.

**Amirkabir University of Technology (Tehran Polytechnique)**

Sep 2018 - Sep 2022

### Bachelor of Science in Computer Engineering

- GPA: 3.92 / 4
- Thesis: Design and Implementation of a Tool for Dependency Intensity Detection of Services in Cloud Systems
- Thesis Grade: 19.5 out of 20 (4 / 4)
- Recognized as top 5% of students in Computer Engineering

## EXPERIENCE

**Cohere** - Toronto, Part-Time Contract, Remote

Sep 2024 - Present

### Senior Data Quality Specialist - Code Evaluation

- Reviewed and validated annotator work for a team of 40, ensuring consistency and high-quality standards.
- Developed feedback for peer annotators, increasing annotation accuracy by 20%.
- Evaluated and annotated AI-generated responses across multiple programming languages for strict adherence to instructions.
- Compared model responses and provided detailed feedback to optimize coding practices and solution quality.
- Conducted code reviews of AI-generated code and annotator submissions to maintain quality and correctness.
- Participated in review meetings to streamline methodology and optimize workflows.
- Wrote accurate coding prompt responses using SQL, Java, Python, HTML, JavaScript, and Data Science tooling.
- Debugged AI-generated code to ensure correctness and requirements compliance.
- Applied algorithm design knowledge to craft solutions for complex coding prompts.

**DataAnnotation** - United States, Freelance, Remote

Jan 2024 - Jul 2024

### Data Annotator

- Evaluated and annotated AI-generated code responses to ensure adherence to specific instructions, enhancing the machine learning model's accuracy and efficiency.
- Provided detailed feedback on the truthfulness and relevance of AI responses, contributing to improvements in performance and reliability.
- Assessed the verbosity and clarity of AI-generated content, ensuring a balance between informativeness and conciseness.

Co-Founder, Product Manager & Software Developer

- Co-founded SevenTask startup (A task management web application) and contributed to business model development.
- Designed system architecture, selected technology stack (Angular and .NET), developed features including Kanban board and chat functionality, and engaged customers for feedback.
- Developed Kanban, calendar, and login features supporting over 200 monthly active users.
- Led five developers in implementing all Kanban features from scratch.
- Used A/B testing to identify features that best satisfied customer needs.
- Designed APIs and documented them using Swagger.
- Engaged directly with over 300 end users, incorporating their needs and feedback into product design and feature development.
- Developed skills in agile programming, problem-solving, and uncertainty management.

Teaching Assistantships

Sep 2021 - Dec 2024

- **Brock University:** Introduction to Programming, Database Systems, Software Engineering and Software Testing & Analysis (Sep 2023 - Apr 2024).
- **Iran University of Science and Technology (IUST):** Cloud Computing (Sep 2022 - Feb 2023).
- **Amirkabir University of Technology:** Real-time Embedded Systems (Sep 2021 - Feb 2021).

Idea Varzan System - Tehran, Iran

Sep 2020 - Sep 2021

Junior Software Engineer

- Collaborated with a team to develop a project management application.

PUBLICATIONS

- [Analyzing Performance Variability in Alibaba's Microservice Architecture: A Critical-Path-Based Perspective](#) — ICPE 2024.
- [Network Analysis of Microservices: A Case Study on Alibaba Production Clusters](#) — ICPE 2024.
- [Utilizing Graph Neural Networks for Effective Link Prediction in Microservice Architectures](#) — ICPE 2025.
- TAAF: A Trace Abstraction and Analysis Framework Synergizing Knowledge Graphs and LLMs — ICSE 2026 (under review).

TALKS & EVENT PARTICIPATION

Tracing Summit 2025

Sep 2–3, 2025

- Gave a talk: “TAAF: A Knowledge Graph and LLM-Driven Framework for Trace Abstraction and Analysis” to an audience including experts from Google, Ciena, Ericsson, and others. [Presentation video on YouTube](#).

AI Day at Brock University - Thorold, Canada

2023

- Participated in a university-wide event featuring 3-minute talks and a poster presentation on AI.

Inotex - Tehran, Iran

2022

- Presented “Seventask” a task management web application; engaged with founders and attendees.

VOLUNTEER EXPERIENCE

ASONAM Conference - Niagara Falls, Canada

Aug 2025

- Lead Volunteer: managed attendee registration, check-ins, conference materials, and participant inquiries.
- Organized and coordinated volunteer activities across sessions and events.
- Led and guided fellow volunteers, delegating tasks and maintaining efficient team collaboration to support logistics.

AI Day at Brock University - Thorold, Canada

2023

- Assisted in organizing the event and supporting participants by coordinating activities and providing guidance.