Alireza Ezaz

✉ ezaz.sar@gmail.com 💼 LinkedIn 🌐 Website

SKILLS

- **Programming:** Python (5 years), Java (2 years), C (1 year), HTML/TypeScript/CSS/Angular (2 years), SQL, Git.
- **Systems:** Operating Systems (3 years); trace analysis using AI/LLMs.
- **Soft Skills:** Time Management, Teamwork, 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

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)

EXPERIENCE

Cohere - Toronto, Part-Time Contract, Remote   **Sep 2024 - Present**

Senior Data Quality Specialist

- Wrote perfect responses for coding prompts across various technologies, including SQL, Java, Python, HTML, JS, Data Science, and more.
- Compared different models' responses and provided detailed feedback based on best practices and optimization in coding.
- Evaluated and annotated AI-generated coding prompt responses to ensure they adhered to precise instructions while leveraging a diverse range of programming languages and technologies.
- Reviewed and validated work of annotators across a team of 40 people, ensuring consistency, accuracy, and high-quality standards.

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 significant improvements in performance and reliability.
- Assessed the verbosity and clarity of AI-generated content, ensuring a balance between informativeness and conciseness.

Seventask - Tehran, Iran, Full-Time, On-Site   **Sep 2020 - Dec 2022**

Co Founder and Software Developer

- Co-founded SevenTask startup.
- Extensively contributed to developing the business model for the project.
- Implemented features of the web application such as Kanban, chat, login, etc.
- 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 TAs (Sep 2023 - Apr 2024): Graded assignments, exams, and quizzes.
- **Iran University of Science and Technology (IUST):** Cloud Computing TA (Sep 2022 - Feb 2023): Designed homework and solved student problems.
- **Amirkabir University of Technology (Tehran Polytechnique):** Real-time Embedded Systems TA (Sep 2021 - Feb 2021): Prepared quizzes, designed homework, and assisted students.

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. Talk page.

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.

HONORS & AWARDS

Edgar and Irmgard Penner Trust Scholarship **Dec 2024**
Issued by Brock University
• Awarded to full-time international graduate students who achieve high academic standing.

Best Poster Award **Nov 2024**
Issued by Brock University
• Recognized for the Best Poster Award at Brock AI Day 2024.