

Ali Faraji

MASTER OF COMPUTER SCIENCE STUDENT · DATA SCIENCE

Toronto, ON

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Education

M.Sc. in Computer Science

YORK UNIVERSITY

2022 – Present

- Data Mining Lab at Lassonde School of Engineering
- Training Deep Neural Networks, working with spatiotemporal data
- GPA: A

B.Sc. in Mathematics and Applications

AMIRKABIR UNIVERSITY OF TECHNOLOGY

2020 – 2022

- Minor field of study along with my bachelor
- Focusing on Graph Theory, Game Theory, and Optimization
- GPA: 3.86/4

B.Sc. in Computer Engineering

AMIRKABIR UNIVERSITY OF TECHNOLOGY

2017 – 2022

- Natural Language Processing Lab in the Computer Engineering Department
- Dissertation: “Designing and implementing an entity linking system for a Persian knowledge graph”
- Also minor degree in Mathematics and Applications with GPA of 3.86/4
- GPA: 3.97/4

Work Experience

FANAP Telecom

FULL-STACK SOFTWARE DEVELOPER

2019 – 2021

- Part of a team that was developing an OSS/BSS
- Includes: Java, Spring, Angular, Microservice Architecture, CRM, Network Concepts, and graph processing.

Freelance

WEB DEVELOPER

2012 – 2019

- Includes: Web Development Technologies (HTML/CSS/JS and Related Libraries), PHP, WordPress, Server Configuration, Website Deployment

Teaching Experience

York University

TEACHING ASSISTANT

F'22, W'23, F'23, W'24

- EECS4412 - Data Mining
- EECS6412 - Data Mining
- EECS4411 - Database Management Systems
- EECS3214 - Computer Network Protocols and Applications

Amirkabir University of Technology

TEACHING ASSISTANT

F'20, W'21, F'21, W'22

- Principles of Database Design Teaching Assistant
- Head of the Computer Networks Teaching Assistant Team

Skills

Programming	Java, Python, JavaScript, C, Web (CSS3, HTML5), Angular, Spring, Design Patterns, OOP, AOP
Machine Learning	PyTorch, Statistics, Scikit-Learn, LLMs API, Pandas, Numpy
Database	RDBMS (MySQL, PostgreSQL), Neo4j (Graph Database), SQL, OLAP, Cypher (Graph Query Language)
Collaboration	Teamwork, Agile Software Development (Scrum), Git, SVN
Misc	Code Debugging Tools, NetworkX (Graph Library), AWS, Azure, Linux, Docker, Eclipse IDEs, \LaTeX
Languages	English - IELTS 7.5 (C1 CEFR level), French (Basic Level), Azerbaijani (Turkish), Persian

Honors & Awards

2020	2nd place in Rahnesan national competition in driving cycle extraction for Tehran electric buses, National Elite Foundation	Tehran
2017	Achieved top 1% place among applicants of the Nationwide University Entrance Exam in Math and Engineering, National Organization of Educational Testing	
2015	3rd rank in E.A. Province, Nanotechnology Olympiad	Tabriz

Committees

2023–024 **Grad Representative**, Planning, Academic Resources & Research (PARR)

Toronto, Canada

Publication

Point2Hex: Higher-order Mobility Flow Data and Resources

Hamburg, Germany

ALI FARAJI, JING LI, GIAN ALIX, MAHMOUD ALSAEED, NINA YANIN, AMIRHOSSEIN NADIRI, MANOS PAPAGELIS

December 2023

- ACM International Conference on Advances in Geographic Information Systems

Extracurricular Activity

IEEE Student Branch @ YorkU

Toronto, Canada

GRADUATE CHAIR

Sep. 2023 – Present

- Contributed to organizing events In IEEE (e.g. Industry Night)
- Working in a team of 10 Executives

York International

Toronto, Canada

VOLUNTEER

Sep. 2023 – Present

- Student Engagement Team

Open Source Community

WWW

CONTRIBUTOR

from the start :)

- I am a huge fan and user of open-source software / open-weight models.
- Highly efficient in code/doc reading and debugging issues especially in Java and Python programming Languages
- Able to stick to the development guidelines to implement features and test them
- Have contributed to several repositories and also the owner of some. (e.g. NetworkX v3, Game Theory Lib)