

Pouya Aghahoseini

COMPUTER SCIENCE GRADUATE STUDENT · UNIVERSITY OF MANITOBA

76 John Angus Drive, Winnipeg, Manitoba, CA

☎ (+98) 9102117201 | ✉ pouyaagahoseini@gmail.com | 📱 pouyaagahoseini | 🌐 pouyaagahoseini

Summary

Graduate Student in Computer Science at University of Manitoba. Interested in Human Computer Interaction, Machine Learning, Data Science, Software Development, and Natural Language Processing.

Skills

Programming	C/C++, Python, R, MATLAB
Web Technologies	HTML, CSS, Javascript, MySQL
Libraries	numPy, Pandas, Scipy
Operating Systems	Linux, Windows
Languages	Persian, English(Proficient)
Miscellaneous	TeX, Jupyter, Git, Microsoft Office, GAMS(Optimization), Database Design

Education

University of Manitoba

MASTER OF SCIENCE

Manitoba, CA

2020- 2022(Expected)

- *Major in Computer Science, CGPA : -*

Amirkabir University of Technology

BACHELOR OF SCIENCE

Tehran, Iran

2016 - 2020

- *Major in Computer Science, CGPA : 17.16/20*

Allameh Helli High School

DIPLOMA IN MATHEMATICS AND PHYSICS

Tehran, Iran

2012 - 2016

- *Grade : 18.5/20*

Teaching Experience

Math & Computer Science Faculty, Amirkabir University of Technology

TEACHING ASSISTANT

Tehran, Iran

Sep 2018 - Aug 2020

- Design and Analysis of Algorithms - Instructor: Dr.MohammadReza Kazemi
- Data Structures and Algorithms - Instructor: Dr.Mohammad Akbari
- Fundamentals of Programming: C Language - Instructor: Dr.Farzaneh Salari
- Compilers - Instructor: Dr.Mohammad Hassan Shirali-Shahreza
- Introduction to the Theory of Computation - Instructor: Dr.Fatemeh Zare-Mirakabad

PRIVATE TUTORING

Tehran, Iran

Present

- Algorithms
- Python Programming(Basics)
- Data Structures
- C Programming
- Theory of Computation

Student Scientific Chapter, Amirkabir University of Technology

HEAD OF INFORMATICS AND COMPETITIONS

Tehran, Iran

Mar. 2018 - Mar. 2019

- Organized Data Science Seminars And Workshops.
- Coordinated 5 ACM Contests.
- Arranged On-Site Visits To Leading Tech Companies In Tehran.
- Arranged Talks With Alumni Currently Studying Or Working Abroad.
- Held 2018 New Student Orientation Program.
- Organized And Instructed Exam Preparation Classes(Calculus, Programming, Differential Equations).

11th Winter School on Computational Geometry, Amirkabir University of Technology

ORGANIZING COMMITTEE MEMBER

Tehran, Iran

March 2019

- The Winter School on Computational Geometry is held every year by Math and Computer Science Faculty, in collaboration with IPM Institute for Research in Fundamental Sciences.
- Notable researchers in computational geometry are invited for seminars and workshops in this program.

Volunteer Work

Student Scientific Chapter, Amirkabir University of Technology

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Projects

Medify: An Application for Fixing Tags And Organizing Media Files

Amirkabir University of Technology

SOFTWARE DESIGN COURSE | 4 MEMBER TEAM |  GITHUB

Jan. 2018 - Jul. 2018

- The application was Developed using **Scrum Methodology** for Agile Software Development.
- We did 5 presentations throughout including a **5-minute startup pitch presentation** and the presentation of the first **MVP**

Designing and Creating A Database From YAGO Datasets

Amirkabir University of Technology

DATABASE COURSE PROJECT |  GITHUB

Jan. 2018 - Jul. 2018

- Data Extraction using TSV files acquired from max plank institute website.
- Processing and Clustering TSV files with Python and MySQL.
- Designing and Creating A 3NF Database.

Factory Simulation with MATLAB

Amirkabir University of Technology

SIMULATION PROJECT |  GITHUB

Sep. 2018 - Jan. 2019

- System modeling and simulation with MATLAB
- Simulation of a factory with different performances and various response time of each agent.

Honors And Awards

IGSES

University of Manitoba

INTERNATIONAL GRADUATE STUDENT ENTRANCE SCHOLARSHIP

Jan 2021

Top 10% in Graduating Class

Amirkabir University of Technology

CLASS OF 70 STUDENTS

2020

Qualified for the final round of Amirkabir ACM-ICPC Competition

Amirkabir University of Technology

Nov. 2018