

Pouya Aghahoseini

COMPUTER SCIENCE GRADUATE · AMIRKABIR UNIVERSITY OF TECHNOLOGY

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Summary

Recently Graduated in Computer Science from Amirkabir University of Technology. Mostly interested in Data Science, Software Development, Natural Language Processing and Computer Vision.

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

Amirkabir University of Technology

BACHELOR OF SCIENCE

- Major in Computer Science, CGPA : 17.16/20

Tehran, Iran

2016 - 2020

Allameh Helli High School

DIPLOMA IN MATHEMATICS AND PHYSICS

- Grade : 18.5/20

Tehran, Iran

2012 - 2016

Teaching Experience

Math & Computer Science Faculty, Amirkabir University of Technology

TEACHING ASSISTANT

- 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

Tehran, Iran

Sep 2018 - Present

PRIVATE TUTORING

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

Tehran, Iran

Present

Student Scientific Chapter, Amirkabir University of Technology

HEAD OF INFORMATICS AND COMPETITIONS

- 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).

Tehran, Iran

Mar. 2018 - Mar. 2019

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

ORGANIZING COMMITTEE MEMBER

- 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.

Tehran, Iran

March 2019

Volunteer Work

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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.