

# Pouya Aghahoseini

COMPUTER SCIENCE GRADUATE STUDENT · UNIVERSITY OF MANITOBA

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## 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

<b>Programming</b>	C, C++, Python, R, MATLAB
<b>Web Technologies</b>	HTML, CSS, Javascript, MySQL
<b>Libraries</b>	numPy, Pandas, Scipy
<b>Operating Systems</b>	Linux, Windows, Mac
<b>Miscellaneous</b>	TeX, Jupyter, Git, Database Design, Flutter

## Work Experience

### Math & Computer Science Faculty, Amirkabir University of Technology

Tehran, Iran

TEACHING ASSISTANT

Sep 2018 - Aug 2020

- Design and Analysis of Algorithms
- Data Structures and Algorithms
- Fundamentals of Programming: C Language
- Compilers
- Introduction to the Theory of Computation

Tehran, Iran

PRIVATE TUTORING

Present

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

## Education

### Univesity of Manitoba

Manitoba, CA

MASTER OF SCIENCE

2020- 2022(Expected)

- **Major in Computer Science, CGPA : -**

### Amirkabir University of Technology

Tehran, Iran

BACHELOR OF SCIENCE

2016 - 2020

- **Major in Computer Science, CGPA : 3.6/4**

### Allameh Helli High School

Tehran, Iran

DIPLOMA IN MATHEMATICS AND PHYSICS

2012 - 2016

- **Grade : 18.5/20**

## Honors & Awards

### INTERNATIONAL

2021 **IGSES(International Graduate Student Entrance Scholarship)**, University of Manitoba

Manitoba, Canada

### DOMESTIC

2020 **Top 10% in Graduating Class**, Class of 2020

Tehran, Iran

Nov, 2018 **Qualified for the final round of AUT ACM-ICPC Competition**, Amirkabir University of Technology

Tehran, Iran

## Projects

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### 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.

## Program Committees

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2018-2019 **Head Of Informatics and Competitions**, Student Scientific Chapter

*Amirkabir University  
of Technology*

2019 **Organizing Committee Member**, 11th Winter School on Computational Geometry

*Amirkabir University  
of Technology*