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

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

Work Experience

Computer Science Department, University of Manitoba   *Manitoba, Canada*

TEACHING ASSISTANT   *Sep 2021 - Present*

- COMP 1010 - Intro to Computer Science 1
- COMP 1020 - Intro to Computer Science 2
- COMP 2140 - Data Structures and Algorithms

Computer Science Department, University of Manitoba   *Manitoba, Canada*

GRADER   *May 2021 - Present*

- COMP 2080 - Design and Analysis of Algorithms
- COMP 2140 - Data Structures and Algorithms

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 : 4.10/4.5**

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

2022	**Faculty of Graduate Studies Research Completion Scholarship**, University of Manitoba	*Manitoba, Canada*
2021	**IGSES(International Graduate Student Entrance Scholarship)**, University of Manitoba	*Manitoba, Canada*
2020	**Top 10% in Graduating Class**, Class of 2020	*Tehran, Iran*
2018	**Qualified for the final round of AUT ACM-ICPC Competition**, Amirkabir University of Technology	*Tehran, Iran*

Projects

Dynamic Keyboard
University of Manitoba

MOBILE HCI COURSE | Github
Jan. 2021 - Mar. 2021

- An Androind Keyboard Application with dynamic key sizes.
- The key sizes would adjust to the most recent input key.

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

| 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* |