

POUYA AGHAHOSEINI

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EDUCATION

Amirkabir University of Technology, Tehran, Iran

2016-2020(Expected)

B.Sc. in Computer Science

Cumulative GPA: 3.6/4 (17.28/20)

Last Two Years GPA(68 Credits): 3.9/4 (18.37/20)

Last Year GPA(32 Credits) : 4/4 (19.55/20)

Member of Student Scientific Chapter (Head of Informatics)

Allameh Helli High School, Tehran , Iran

2012-2016

Diploma in Physics and Mathematics Discipline.

National Organization for Development of Exceptional Talents (NODET)

GPA: 18.5/20

EXPERIENCE

Teaching Assistantship, Fundamentals of Programming: C Language

Starting September

2019

Instructor: Dr.Mohammad Akbari

Teaching Assistantship, Data Structures and Algorithms

February 2019 - June 2019

Instructor: Dr.Mohammad Akbari

- Held weekly classes and office hours
- Designed and Evaluated assignment and projects

Organizing Committee Member, 11th Winter School on Computational Geometry 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.
- Each year, notable researchers in computational geometry from around the world are invited for seminars and workshops in this program.

Lead Teaching Assistantship, Introduction to the Theory of Computation September 2018 - January 2019

Instructor: Dr.Fatemeh Zare-Mirakabad

- Held weekly classes
- Supervised monthly workshops
- Designed and Evaluated assignment

Student Scientific Chapter Membership

March 2018 - March 2019

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
- Held 2018 New Student Orientation Program

- Arranged Exam Preparation Classes(Calculus,Programming,Differential Equation, ...)

PROJECTS

Medify: An Application for Fixing Tags And Organizing Media Files Jan 2018- July 2018
Software Engineering Course Project *Amirkabir University of Technology*

- The application's development was under the supervision of Dr.Amin Gheibi and was Developed using Scrum Methodology for Agile Software Development.
- The coursework required 5 presentations throughout the semester which included a 5-minute startup pitch presentation and the presentation of the first MVP(Minimum Viable Product).
- Weekly feedback sessions were held
- Scrum master role changed every two weeks
- Project's files are available

Designing and Creating A Database From Raw Data Jan 2018- July 2018
Database Course Project *Amirkabir University of Technology*

- The project required extracting data from TSV files acquired from max plank institute website.
- After processing the files using Python, they were clustered and the meaningful relations were explored using MySQL.
- A 3NF Database was designed and created, in accordance with the discovered relations.
- The CSV Version of the database was exported in the end.

Shortest Path in a Graph in GAMS Application Jan 2018- July 2018
Linear Optimization Course Project *Amirkabir University of Technology*

- A program in GAMS application to find the most optimal path in a graph for product shipping.

Factory Simulation with MATLAB September 2018- Jan 2019
Simulation Course Project *Industrial Engineering Faculty*

- System modeling and simulation with MATLAB
- Simulation of a factory with 4 lines of work with different performances and various response time of each agent and some other constraints.

Range-Tree: A 2-D version of Range-Tree Data Structure September 2017 - January 2018
Data Structures Course Project

- The project of data structures and algorithms course
- The Tree is built of the points with x-y coordinates and returns the points in tree which are in the queried rectangles

HONORS AND AWARDS

Ranked 1st GPA at Fall-2018 and Spring-2019 Semesters

- Class of 50 Students

Member of the Top Teams at ACM Competition held at AMIRKABIR UNIVERSITY OF TECHNOLOGY November 2018

- The ACM Competition is held every year at Amirkabir University of Technology. Teams from all universities across the country take part in this competition.

Top 10% in Programme

- Class of 50 students

Ranked 1,169 among 162,879 students (Top 0.7%) in Iranian University Entrance Exam
July 2016

- The competition is intense since it is the only means to gain admission to universities.
- Tuition Waiver from university

Studied in NODET (National Organization for Development of Exceptional Talents) High School in Tehran, Iran 2012- 2016

- NODET student selection exam is held every year nationwide for students starting high school. The organization is responsible for a number of schools across the country, training students on a more advanced level in each field of study.

SKILLS

Programming Languages	C/C++, Python, R, MATLAB, GAMS
Web Technologies	HTML, CSS, Javascript, MySQL
Libraries	numPy, Pandas
Typesettings	L ^A T _E X, Microsoft Office
Operating Systems	Linux, Windows
Operating Systems	Persian, English, Spanish(Familiar)

SECTION NAME

- Natural Language Processing
- Machine Learning
- Deep Learning
- Data Science
- Artificial Intelligence