# Mohammad Mahdi Heydari

Amirkabir University of Technology – Tehran, Iran

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## RESEARCH INTERESTS

o Machine Learning / Deep Learning o Computer Vision o Neuroscience o Data Mining

## **EDUCATION**

#### Amirkabir University of Technology

Tehran, Iran

Bachelor of Science in Computer Engineering, GPA – 3.86/4, AVG – 18.37/20 via 115 credits till now.

2015-2020

o Major: Artificial Intelligence, Minor: Software Engineering o Extracurricular: 30 credits from Electrical Engineering.

Alborz High School

Diploma of Mathematics and Physics, GPA - 4/4, AVG - 19.32/20

**Tehran, Iran** 2011–2015

## SELECTED COURSES

o Formal Languages and Automata: 20/20 o Algorithm Design: 20/20 o Advanced Programming: 20/20 o Numerical Analysis: 20/20

o Data Structures: 19.75/20 o Principles of Database Design: 19.29/20

Online Courses.....

 $\circ$  Creative Applications of Deep Learning with  $\,\circ$  Machine Learning

Tensorflow

o Deep Learning Specialization o Introduction to Data Science

o Web Programming with Python and JavaScript o Full Stack Web Development with Django

o Data Structures and Algorithms Specialization o Neural Networks for Machine Learning

o Introduction to Tensorflow

## AWARDS AND CERTIFICATES

- o Ranked in top 5 among about 100 undergraduate students in computer engineering department, Amirkabir University of Technology.
- o Completed Data Scientist program with more than 20 courses at Data Camp.
- o Ranked in top 0.2% among all students in university entrance exam more than 180,000 participants. [summer 2015]
- o Honored to be among privileged entrance students and permitted to study both computer engineering and electrical engineering by exceptional talents office, Amirkabir University of Technology.
- o Completed Microsoft Certified Solution Developer Program in Tehran institute of technology.

## **EXPERIENCE**

Teaching Assistant....

Data Mining Under the Supervision of Dr.Khabbaz

Amirkabir University of Technology
Department of Computer Engineering

Data Structures Under the Supervision of Dr.Bagheri

Amirkabir University of Technology Department of Computer Engineering

Advanced Programming Under the Supervision of Dr. Jahanshahi

Amirkabir University of Technology Department of Computer Engineering

Logic Circuits Lab Under the Supervision of Mr.Keshavarzian

Amirkabir University of Technology Department of Computer Engineering

Professional....

ARSH Co. Tehran

Summer Intern, Iran Summer 2018

During the internship program, we were first introduced to web development with HTML, CSS, Javascript, and Django. Afterward, we developed a task scheduling application. Then using data mining and text processing approaches we learned to monitor social media activities. The result led to a recommender system that matches customers and advertisers. I also voluntarily took part in UX design and agile software development workshops.

## **PUBLICATION**

Presentations.....

Spring 2019: Computer Vision with CNN, a lecture related to Data Mining course material.

**Spring 2019**: Back-end Programming with Django, a three-week workshop related to Advanced Programming course.

**Spring 2019**: Optimal Binary Decision Trees, related to Advanced Algorithm Design course (for graduate students).

## **SKILLS**

Programming/Scripting....

o Python: fully proficient in using related libraries containing tensorflow, scikit-learn, opency, etc.

o Java, C++, C#: appropriate familiarity.

o Web Programming: html5, css3, javascript

o Database: mysql, mongodb

o Hardware: vhdl, arduino, avr, arm

o Miscellaneous: linux, latex, jupyter notebook, matlab/octave, git

Languages....

Farsi: Mothertongue

**English**: Fluent o *Toefl Score:* 104 (R:24, L:29, S:24, W:27).

o GRE score will be reported after Nov 11, 2019.

French: Basic Words And Phrases Only

Fall 2019

*Spring 2019* 

*Spring 2018* 

• References, further information, and proofs are available upon request