Mohammad
Mahdi Heydari | Curriculum Vitae

Amirkabir University of Technology – Tehran, Iran

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EDUCATION

Amirkabir University of Technology (Tehran Polytechnic) — **Tehran, Iran**
Bachelor of Science, GPA – 3.86, via 145 credits. — *2015–2020*
a Department of Electrical and Computer Engineering
- Major: Artificial Inteligence
- Minor: Software Engineering, Electronics

Selected Courses...

- Data Mining: A^+
- Linear Algebra: A^+
- Formal Languages and Automata: A^+
- Algorithm Design: A^+
- Advanced Programming: A^+
- Numerical Analysis: A^+

Alborz High School — **Tehran, Iran**
Diploma of Mathematics and Physics, GPA – 4. — *2011–2015*

AWARDS AND CERTIFICATES

- Honored to be among top 5 students in Computer Engineering, with almost 100 students, Amirkabir University of Technology.
- Ranked 352_{nd} in university entrance exam, among more than 180,000 participants. [summer 2015]
- Being among privileged entrance students and permitted to study both computer engineering and electrical engineering by Exceptional Talents Office.
- Completed MCSD Program in Tehran institute of technology Successfully.
- Completed ILI English program for adults with above 80/100 average score per course.
- Completed Data Scientist program with more than 20 courses in Data Camp.

EXPERIENCE

Professional...

ARSH Co. — **Tehran**
Summer Intern, Iran — *Summer 2018*
Internship program in this company included several phases. At first, we were provided with learning materials related to basic web development with HTML, CSS, Javascript, and Django. Afterward, we developed a web application for personal task scheduling. Then each intern chose a project to take part. The project that I decided to attend was related to using data mining and text processing approaches to monitor the activities of some influencers on Instagram. The result of this work led to a fully automated service to suggest advertisers among important accounts on Instagram considering the category desired by the customers. I also voluntarily took part in UX design workshops and were introduced to agile software development slightly.

Academic..

Amirkabir University of Technology (Tehran Polytechnic)
Data Mining Teaching Assistant   *Fall 2019*
Under the Supervision of Dr.Nazerfard

Amirkabir University of Technology (Tehran Polytechnic)
Data Structures Teaching Assistant   *Fall 2019*
Under the Supervision of Dr.Bagheri

Amirkabir University of Technology (Tehran Polytechnic)
Advanced Programming Teaching Assistant   *Spring 2019*
Under the Supervision of Dr.Jahanshahi

Amirkabir University of Technology (Tehran Polytechnic)
Logic Circuits Lab Teaching Assistant   *Spring 2018*
Under the Supervision of Mr.Keshavarzian

PUBLICATION

Presentations..

Spring 2019: Computer Vision with CNN, Related to Data Mining Course.

Spring 2019: Optimal Binary Decision Trees, Related to Advanced Algorithm Design Course.

Spring 2019: Back-end Programming with Django, Related to Advanced Programming Course.

RESEARCH INTERESTS

- Machine Learning
- Image Processing
- Deep Learning
- Neuroscience

SKILLS

Programming/Scripting...

- Python:
  - tensorflow
  - scikit-learn
  - nltk
  - django
  - pytorch(in progress)
  - open-cv
  - pandas, matplotlib, seaborn, bokeh
  - beautiful soup, scrapy, selenium
- Java, C++, C#:
  - object oriented programming
  - socket programming
  - gui design with qt, swing etc.
  - multi threading
- Web Programming:
  - html5/css3
  - bootstrap/uikit
  - javascript(in progress)
- Database:
  - mysql
  - tsql
  - mongodb
- Micro Controller:
  - arduino
  - arm (cube and keil)
  - avr (assembly and c)

- Miscellaneous:
  - linux
  - jupyter notebook
  - git
  - latex
  - matlab/octave
  - vhdl

Languages

Farsi: Mothertongue

English: Fluent
  - *Toefl Last Score: 98 (R:24, L:28, S:23, W:23). New score will be reported after Sep 21, 2019.*
  - *GRE score will be reported after Nov 11, 2019.*

French: Basic   *Basic Words And Phrases Only*

Online Courses

- Creative Applications of Deep Learning with Tensorflow
- Machine Learning
- Deep Learning Specialization
- Introduction to Data Science
- Web Programming with Python and JavaScript
- Full Stack Web Development with Django
- Data Structures and Algorithms Specialization
- Neural Networks for Machine Learning
- Introduction to Tensorflow

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