

Mohammad Mahdi Heydari

Amirkabir University of Technology – Tehran, Iran

☎ (+98) 919 304 4437 • ✉ heidarymm@yahoo.com
🌐 mmheydari97.github.io/cv • 🌐 mmheydari97 • in mmheydari97

RESEARCH INTERESTS

- Machine Learning / Deep Learning
- Computer Vision
- Neuroscience
- 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

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

Alborz High School

Tehran, Iran

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

2011–2015

SELECTED COURSES

- Data Mining: 20/20
- Linear Algebra: 20/20
- Formal Languages and Automata: 20/20
- Algorithm Design: 20/20
- Advanced Programming: 20/20
- Numerical Analysis: 20/20
- Data Structures: 19.75/20
- Principles of Database Design: 19.29/20

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

AWARDS AND CERTIFICATES

- Ranked 6th among 100 undergraduate students in computer engineering department, Amirkabir University of Technology.
- Completed Data Scientist program with more than 20 courses at Data Camp.
- Ranked in top 0.2% among all students in university entrance exam more than 180,000 participants. [summer 2015]
- 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.
- Completed Microsoft Certified Solution Developer Program in Tehran institute of technology.

EXPERIENCE

Academic Research.....	
Anomaly Detection in Spatio-temporal Data	Under the Supervision of Dr.Nazerfard
<i>Bachelor's Thesis Project</i>	<i>Summer 2019–present</i>
Designing a Recurrent Convolutional Auto Encoder that learns to reconstruct Spatio-temporal data so that it could detect anomalies in test data. The application of this neural network is to diagnose dementia in elderly living in a smart house.	
Teaching Assistant.....	
Data Mining	Under the Supervision of Dr.Khabbaz
<i>Amirkabir University of Technology</i>	<i>Fall 2019</i>
Department of Computer Engineering	
Data Structures	Under the Supervision of Dr.Bagheri
<i>Amirkabir University of Technology</i>	<i>Fall 2019</i>
Department of Computer Engineering	
Advanced Programming	Under the Supervision of Dr.Jahanshahi
<i>Amirkabir University of Technology</i>	<i>Spring 2019</i>
Department of Computer Engineering	
Logic Circuits Lab	Under the Supervision of Mr.Keshavarzian
<i>Amirkabir University of Technology</i>	<i>Spring 2018</i>
Department of Computer Engineering	

Professional.....	
ARSH Co.	Tehran
<i>Summer Intern, Iran</i>	<i>Summer 2018</i>
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.....	
○ Python: fully proficient in using related libraries containing tensorflow, scikit-learn, opencv, etc.	
○ Java, C++, C#: appropriate familiarity.	
○ Web Programming: html5, css3, javascript	
○ Database: postgresql, mongodb	
○ Hardware: vhdl, arduino, avr, arm	
○ Miscellaneous: linux, latex, jupyter notebook, matlab/octave, git	

Languages.....
Farsi: Mother tongue
English: Fluent ○ *Toefl Score: 104 (R:24, L:29, S:24, W:27).*
 ○ *GRE score: (Q:164/170, V:146/170, W:3/6).*
French: Basic *Basic Words And Phrases Only*

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