

MELIKA AYOUGHI

Machine Learning Researcher

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EDUCATION

Ph.D. in Extracting Knowledge Graphs from Videos

University of Amsterdam

📅 Oct. 2020 – Now 📍 Amsterdam, Netherlands

M.Sc. Artificial Intelligence, **GPA: 8/10**

University of Amsterdam

📅 Sep. 2018 – August 2020 📍 Amsterdam, Netherlands

- Implemented most major concepts in machine learning including Gaussian processes, VAE, GAN, RNN/LSTM, Normalizing Flows, among others.

B.Sc. Computer Science – Track: Information Technology, **GPA: 17.52/20**

University of Tehran

📅 Sep. 2013 – June 2018 📍 Tehran, Iran

- 1st Rank
- Strong background in Advanced Algorithms and Data Structures, Internet Engineering, System Analysis and Design, Signals and Systems

Highschool Diploma, **GPA: 19.84/20**

National Organization for Development of Exceptional Talents (NODET)

📅 Sep 2006 – Jun 2013 📍 Tehran, Iran

- Mathematics and Physics Discipline

PROFESSIONAL EXPERIENCE

M.Sc. Thesis (Research) Intern

TomTom

📅 Nov. 2019 – July 2020 📍 Amsterdam, Netherlands

- Multi-Scale Gambler for Object Detection, Pytorch

Deep Learning Intern

Dexter Energy Services B.V.

📅 June 2019 – July 2019 📍 Amsterdam, Netherlands

- Implemented a recurrent neural network (ConvGRU) to predict future cloud position using satellite imagery (EUMET-SAT data) for energy imbalance forecasting. Pytorch, Google Cloud Services

Python Facilitator

IPM Data Science Summer School

📅 June 2018 – July 2018 📍 Tehran, Iran

- Facilitated attendants in Python coding for data science sessions (<http://ds.ipm.ir/elementary-school/>) Python

Teaching Assistant

University of Amsterdam/ University of Tehran

📅 Sep. 2015 – Now 📍 Amsterdam & Tehran

- Teaching Assistant for these courses: **UvA:** Applied Machine Learning, Machine Learning 1 **UT:** Artificial Intelligence, Data Structures, Algorithm Design, Computer networks, Introduction to Computing Systems and Programming Python, C++

Research Intern

Computational Social Science Lab, ETH Zürich

📅 July 2016 – Sep. 2016 📍 Zürich, Switzerland

- Developed a publish-subscriber system for the existing "Dynamic Intelligent Aggregation Service (DIAS)" intended to aggregate and disseminate various sensor data across large number of nodes in a secure way. (<https://www.nervousnet.ethz.ch>) Java

VOLUNTEER EXPERIENCE

Organizer, Mentor

UvA Inclusive AI

📅 Oct. 2020 – Now 📍 Amsterdam, Netherlands

- Mentoring the underrepresented students of the UvA AI masters program. Organizing events and workshops, financing students to attend conferences.

Volunteer

AIESEC Poland

📅 July 2015 – Sep. 2015 📍 Kielce, Poland

- Managed the team of 10 interns from 8 different countries. Conducted seminars for NGOs and museums with the purpose of raising the cultural and social awareness among Polish people about Iran.

ICX Team Leader

AIESEC Iran

📅 Sep 2015 – June 2016 📍 Tehran, Iran

- Designed and promoted projects, recruited volunteers and took part in several leadership workshops within AIESEC.

ACADEMIC PROJECTS

- **Bachelor's Thesis:** Sentiment Analysis on customer ratings of an e-commerce corporation (Digikala) with LSTMs, Python, Apache Spark, Scala
- **Online Flight Reservation:** AngularJS, Ajax, Ruby on Rails, HTML, CSS, JavaScript, Docker, Maven, Tomcat

SCHOLARSHIPS

- University of Tehran Supporters Foundation Scholarship as the 1st ranked IT student, University of Tehran, 2016 – 2017
- F.O.E.(Faculty of Engineering) award as the 1st ranked IT student of the year., University of Tehran, 2015–2016