

Yassaman Ommi

LinkedIn: www.linkedin.com/in/yassaman-ommi/
Scholar: Yassaman Ommi

yassi.ommi@gmail.com
(+98) 938 933 2207

-
- EDUCATION** **Amirkabir University of Technology (Tehran Polytechnic)**, Tehran, Iran.
Bachelor of Computer Science
Ranked among top 0.01% participants in the national entrance exam
Thesis: Applications of Deep Learning in Drug Molecules Generation and Development (**Supervisor:** Dr. Amin Gheibi)
2017 - (Expected) 2021 GPA: 16.92/20 (3.50/4.0 - Last Two Years: 4.0/4.0)
- Nokhbegan Allameh Tabatabaei High School**, Tehran, Iran.
Diploma of Mathematics and Physics
Semifinalist in Olympiad on Astronomy and Astrophysics
Semifinalist in Olympiad on Physics
Ranked 1st among 140 students
2013 - 2017 GPA : 19.8/20
- PUBLICATIONS** Faezeh Faez, Yassaman Ommi, Mahdiah Soleymani Baghshah, Hamid R. Rabiee, **Deep Graph Generators: A Survey**, in IEEE Access, vol. 9, pp. 106675-106702, 2021, doi: 10.1109/ACCESS.2021.3098417.
- Martin Yousefabadi*, Yassaman Ommi*, Faezeh Faez, Amirmojtaba Sabour, Mahdiah Soleymani Baghshah, Hamid R. Rabiee, **CCGG: A Deep Autoregressive Model for Class-Conditional Graph Generation** (Submitted / Available at ArXiv)
 *Equal Contribution
- RESEARCH EXPERIENCE** **Undergraduate Research Assistant, Data Science and Machine Learning Lab.**
 (Sharif University of Technology)
 2019 - now
 Contributed in projects about social network mining and fake news mitigation. For now participating in a deep graph generation project.
- Undergraduate Researcher, Complex Network Group**
 (Sharif University of Technology)
 (Summer) 2020
 Participated in fake news and epidemic diseases spreads projects.
- TEACHING EXPERIENCE** **Teacher Assistant at Sharif University of Technology**
 Machine Learning Course, Dr. Abbas Hosseini, Fall 2020
 Data Mining (Graduate) Course, Prof. MohammadAmin Fazli, Spring 2020
- Teacher Assistant at Amirkabir University of Technology**
 Social Media Computing (focusing on NLP), Prof. Mohammad Akbari, Fall 2020
- PROFESSIONAL EXPERIENCE** **Machine Learning Internship Supervisor, Rahnema College.**
 (Spring) 2021
 Supervised and helped a group of interns with their project (anomaly detection in https server log), during their internship.

**Internship Supervisor, IPM Institute for Research in Fundamental Sciences.
(Summer) 2019**

Supervisor in INO (Iranian National Observatory) summer internship. The projects involved automating the observatory monitoring process with weather prediction, cloud detection, and telescope mount training.

**Product Researcher, Rahnema Co.
(Summer) 2019**

Designed an online code judging system for a programming exam platform.

**Machine Learning Intern, Rahnema College. (Certificated)
(Winter) 2019**

Learned about the mathematical foundation of machine learning, deep learning, and many other concepts in this internship. Projects included:

- Facial Expression Recognition
- Humpback Whale Detection (Kaggle's Contest)
- Push Notification Recommender System

**Research Assistant, IPM Institute for Research in Fundamental Sciences.
(Iranian National Observatory Division)
2018 - 2020**

Developed a web-panel (Barsavosh) to manage and prioritize observation proposals for INOLA (Iraninan National Observatory Lens Array), and a micro-service (Shekarchi) to fully-automate it.

Worked on implementing a reinforcement learning system on the telescope's mount for tracking astronomical objects and a classification system to detect them in images.

SKILLS

Programming/Tools/Frameworks:

C, C++, Python, Docker, Django, Flask, Go, Matlab, L^AT_EX, Bash, SQL

Data Science/Machine Learning:

Pandas, NumPy, SciPy, OpenCV, Networkx, Scikit-Learn, PyTorch, Spark, Tensorflow, NLTK, RDKit

LANGUAGES

Persian (Native)

English (Fluent) (TOEFL: 108 / R:25 L:30 S:24 W:29)

Arabic (Basic)

**ACADEMIC
SERVICE**

**Workshop Mentor, Sharif Machine Learning Skill-Up.
(Sharif University of Technology/Quera)
October 2019**

Skill-Up was a one-day event on AI and machine learning. I was a mentor in its workshop "Hands on Data Science" which focused on coding for real machine learning applications.