

# Amir Dalili Yazdi

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## RESEARCH INTERESTS

• DEEP LEARNING    BIOINFORMATICS    DRUG DISCOVERY    ML IN HEALTHCARE

## EDUCATION

- **M.Sc in Computer Engineering** Sept. 2017 - Feb. 2020  
Sharif University of Technology, Tehran, Iran    GPA: (18.67/20)  
THESIS TITLE: Performance Evaluation of Large-Scale Delay Tolerant Networks  
Supervisor: Prof. Ali Movaghar
- **B.Sc in Computer Engineering** Sept. 2013 - July 2017  
Islamic Azad University Central Tehran Branch, Tehran, Iran    GPA: (18.63/20)  
THESIS TITLE: Study of security models in the Internet of Things  
Supervisor: Dr. Vahe Aghazarian

## RESEARCH EXPERIENCE

- **Research Assistant** June 2018 - Oct. 2020  
Sharif University of Technology, Tehran, Iran  
**Performance and Dependability Lab**  
Study and research the performance of epidemic routing in mobile social networks considering several communities which are frequently visited by nodes.  
Under the supervision of Prof. Ali Movaghar

## PUBLICATIONS

- Leila Rashidi, **Amir Dalili-Yazdi**, Reza Entezari-Maleki, Leonel Sousa and Kishor S. Trivedi , "**Performance Modeling of Limited-Time Forwarding under Community-Aware Mobility**", to be submitted to IEEE Transactions on Network Science and Engineering
- Leila Rashidi, **Amir Dalili-Yazdi**, Reza Entezari-Maleki, Leonel Sousa, and Ali Movaghar, "**Modeling Epidemic Routing: Capturing Frequently Visited Locations While Preserving Scalability**," in IEEE Transactions on Vehicular Technology, vol. 70, no. 3, pp. 2713-2727, March 2021, doi: 10.1109/TVT.2021.3057541.
- Leila Rashidi, **Amir Dalili-Yazdi**, Reza Entezari-Maleki, Leonel Sousa, and Ali Movaghar, "**Scalable Performance Analysis of Epidemic Routing Considering Skewed Location Visiting Preferences**," in Proceedings of the IEEE International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems (IEEE MASCOTS), Rennes, France, 22-25 October 2019.

## HONORS

- Ranked 1st among all M.Sc. students of Computer Engineering (Computer Networks) in 2017
- Ranked 1st among all B.Sc. students of Computer Software Engineering in 2013
- Ranked in the top 0.5% of the Computer Engineering Master's degree participants in the national university entrance exam
- Ranked in the top 2.5% of the Bachelor degree participants in the national university entrance exam

## TEACHING EXPERIENCE

- **Teaching Assistant**  
Sharif University of Technology, Tehran, Iran  
**Deep Learning(Head TA)** Spring 2020  
Instructor: Dr. Mahdiah Soleymani  
**Machine Learning** Fall 2019  
Instructor: Dr. Mahdiah Soleymani

## PROJECTS

- **Colorizing Black&White Images** Aug. 2022  
The goal of this project is to color the black and white portraits. **All steps have been implemented by myself.** [CLICK](#).
- **Comment Analyzer** April 2021  
A Web Application that determines whether a comment given for a product is positive or negative! **All steps have been implemented by myself.** [CLICK](#).
- **Smart Snake** Oct. 2020  
In this project, Agent(snake) learns how to play the snake game. **All steps have been implemented by myself.** [CLICK](#).
- **Dog Breed Classification** May 2020  
This is a Web Application that receives a dog picture as input and returns its breed as output. **All steps have been implemented by myself.** [CLICK](#).

## RELATED COURSES

- **Sharif University of Technology**  
Machine Learning, Deep Learning, Convex Optimization, Information Theory, Advanced Operating systems, Computer system Performance Evaluation  
**Audit:** Bioinformatics
- **Islamic Azad University Central Tehran Branch**  
Artificial Intelligence, Database, Data Structures, Algorithm Design, Operating systems, Fundamental of Programming, Advanced Programming
- **Coursera Certificates**  
**Offered By DeepLearning.AI**  
AI for Medicine Specialization March 2022  
Generative Adversarial Networks (GANs) Specialization June 2021  
Deep Learning Specialization Sep. 2020

## SKILLS

- **Programming Languages and Frameworks**  
**Frequently Used** Python - Pytorch - jQuery - JS - Bootstrap - CSS - HTML  
**Past Experiences** PHP, Java, Flask
- **Networking** Active Directory - Group Policy
- **Operation Systems** Linux(Ubunto) - Windows
- **Typesetting Tools** L<sup>A</sup>T<sub>E</sub>X, Microsoft Office
- **Version Control System** Git
- **Natural Languages** Persian(Native), English(TOEFL - C1)
- **Other** Playing Piano, Swimming, Chess