

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 about 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 0.005% of the Computer Engineering Master's degree participants in the national university entrance exam
- Ranked in the top 0.03% 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.**
- **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.**
- **Smart Snake** Oct. 2020
In this project, Agent(snake) learns how to play the snake game. **All steps have been implemented by myself.**
- **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.**

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, Compiler Design, Operating systems, Fundamental of Programming, Advanced Programming, Software Engineering
- **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^AT_EX, Microsoft Office
- **Version Control System** Git
- **Natural Languages** Persian(Native), English(Preparing for TOEFL Exam)
- **Other** Playing Piano, Swimming, Chess