

Amir Dalili Yazdi

amirdalili12@gmail.com
+98(936)150-5315
amirdy.github.io

RESEARCH INTERESTS

• DEEP LEARNING BIOINFORMATICS DRUG DISCOVERY DATA SCIENCE

EDUCATION

- **M.Sc in Computer Engineering** Sept. 2019 - Jan. 2020
Sharif University of Technology, Tehran, Iran GPA: (18.63/20)
THESIS TITLE: Performance Evaluation of Large-Scale Delay Tolerant Networks
Supervisor: Prof. Ali Movaghar
- **B.Sc in Computer Engineering** Sept. 2013 - Aug. 2017
Islamic Azad University Central Tehran Branch, Tehran, Iran GPA: (18.61/20)
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

- Rashidi, L., Dalili-Yazdi, A., Entezari-Maleki, R., Sousa, L. and Movaghar, A., 2021. Modeling Epidemic Routing: Capturing Frequently Visited Locations While Preserving Scalability. IEEE Transactions on Vehicular Technology, 70(3), pp.2713-2727.
- Rashidi, L., Dalili-Yazdi, A., Entezari-Maleki, R., Sousa, L. and Movaghar, A., 2020. Performance Modeling of Epidemic Routing in Mobile Social Networks with Emphasis on Scalability. arXiv preprint arXiv:2002.05884.

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

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. This project is based on the deep learning concepts and uses Pix2Pix GAN which is a general approach for image-to-image translation. **All steps have been implemented by myself.**
- **Comment Analyzer** April 2021
This is a Sentiment Analysis project. A Web Application that determines whether a comment given for a product is positive or negative(with the probability)! In other words, whether the person who bought the product is satisfied or not! **All steps have been implemented by myself.**
- **Smart Snake** Oct. 2020
This is a Reinforcement Learning project. In this project, Agent(snake) learns how to play the snake game1. The game board is 12×12 . The snake moves in the 10×10 area and eats the food. Eating the food increases the length of the snake. The snake must learn how to eat the food without running into the screen border or itself. **All steps have been implemented by myself.**
- **Dog Breed Classification** May 2020
This is a Classification project. A Web Application that receives a dog picture as input and returns its breed as output. The model predicts the breed from 150 different breeds. **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