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EDUCATION

Masters in Research in Computer & Systems Engineering
Technische Universitat Ilmenau
2019 - Now
Thuringia, Germany

- Software & System Engineering
- Software Architecture
- Complex Embedded System
- Information Systems
- Algorithms
- Research Project (Text-to-SparQL)
- Research Seminar (COVID19 Tweets Data Graph Analysis)
- Research Skills (Github GraphQL Security Flaw)
- Image Processing and Robot vision Lab

Bachelor of Computer Science
Kharazmi University
2013 - 2018
Tehran, Iran

- **GPA**: 17/20 Iranian Scale
- **Thesis 20.0/20.0** : A Recommendation System for Undergraduate/Graduate Applicants Seeking Financial Scholarship for Studying Abroad (Advisor: Dr. Nahid Taherian)

Some of my courses:

- Data Mining
- Compiler
- Probability and Statistics
- Data Structure and Algorithms
- Fundamentals of Theory of Computations
- Software Design Basics
- Databases
- Entrepreneurship

- **Certifications**: (github.com/yazdipour/certificates)

  - Structuring Machine Learning Projects - Coursera
  - NLP with Python for Machine Learning - LinkedIn
  - Artificial Intelligence Foundations - LinkedIn
  - Python Beginner to Advanced - Udemy
  - Microservices Foundations - LinkedIn
  - Web Security - Shahid Beheshti University
  - CCNA - Cybertech Co.
  - Network+ - Cybertech Co.

PUBLICATIONS

Github Data Exposure using GraphQL Security Design Flaw (1k$ Bug Bounty) 2019
S.Yazdipour, CCSE2020 - The 10th International Conference on Computer Engineering, Ilmenau Germany [Published]*

Decision Support for International Students Who Want to Fund Their Graduate Studies 2017
S.Yazdipour, N.Taherian "(IEEE) International Conference on Machine Learning and Data Science, India" [Published]*

- We have implemented a technique to bypass vBulletin CMS authentication system to crawl unstructured raw data from it and provide a dataset and using **data analysis methods such as Decision tree, K-Nearest Neighbor and K-Means** to determine chance of getting fund for graduate students.

SKILLS & EXPERIENCES

- **Programming Languages**:
  - Python (PyTorch, Huggingface, Keras, Flask, Gradio, PyAutoGui, ...)
  - Java (Quarkus, Spring, Android, Swing)
  - C# (Xamarin, UWP, WPF, .NET)
  - C++ (Arduino)

- **Tools**: Git, Microsoft Azure, Docker, Kubernetes

- **Databases/QLs**: MySql, SQLite, Neo4j, SparQL

Experience

- **BackEnd Software Engineer Intern at 'TomTom' - Berlin, Germany:**   **Aug 2020 - Now**
    - Main Task: Developing and delivering services in the field of traffic and travel information, tested and applied in the real-production system.
    - Developing Java Spring Web Service for TPEG2-EAW and TPEG2-EVA Services.
    - Developing Java Quarkus Web Service with MQTT Pub/Sub Service.
    - Customizing and deploying VernemQ MQTT Broker.
    - Deployment on Microsoft Azure and AKS Kubernetes Clusters.

- **Android Software Engineer at 'GFPishro Co' - Tehran, Iran:**   Oct 2017-Jan 2019
    - Main Task: Creating a Geo Information Service/Software-Package, including Web, Desktop and Mobile applications for our Customers.
    - Developing Android Mapping system based on MapsForge renderer system, graphhopper offline navigation, ... for our customers using IntrAnet.
    - Developing Simple Reporting Application for Client in iOS Xamarin.
    - Researching and implementing indoor mapping based on Bluetooth beacons on mobile platforms.

- **Academia Experience:**
    - **Teacher Assistant - Fundamental of Programming (Dr. Somaye Arabi):**   *Fall 2016*
    - **Teacher Assistant - Fundamental of Database (Dr. Somaye Arabi):**   *Winter 2016*
    - **Member of Kharazmi University ACM Team:**   *2013-2015*
    - **Student Member of Persian Society of Machine Vision and Image Processing:**   *2017 - Aug 2018*

Projects (github.com/yazdipour)

- **Text-to-SQL Transformer - Evaluation of all methods**   2022
  Evaluating and improving Text-To-SQL using ruled base methods - PICARD

- **Text-to-SPARQL Question Answering Transformer:**   Aug 2021
    - Implementation of sentence embedding for learning the transformation of questions to SPARQL queries with DBPedia/WikiData graph data integration in **Google T5 and BERT Transformer**.

- **Covid-19 Opinion Leaders on Twitter - Data Mining and Graph Analysis**   Python
  *Identifying opinion leaders using in Tweets dataset using social network **Graph Analysis** methods.*   Sep 2020

- **OpticalFlow and Color Segmentation Navigation for MIRA Robot**   C++
  Developed robotic navigation using its camera system for Robotic Course   Jan 2020

- **Wireless Garage Door Cracker**
  Capturing sub-1 GHz signals with RTL-SDR and Analyzing with GQRX and sending signals with YardStick1.   Jul 2017

- **First Persian UWP Application**   C#
  iTehran is the First Persian UWP application consist of Tehrans Public-Transportations full database.   Aug 2015
    - Universal Windows Platform(UWP) is a platform-homogeneous application architecture. The purpose of this software platform is to help develop universal apps that run on Windows 10, Xbox One and Hololens.

Languages

1. English (Fluent)

2. Persian (Native)

3. German (Basic)