

Shahriar Yazdipour

TU Ilmenau, MSc Student

Phone: +49 1631932054

Ilmenau, Germany

www.yazdipour.com

yazdipour@outlook.com

linkedin.com/in/yazdipour/

Skype: sh.yazdipour

RESEARCH INTERESTS

Interested in **NLP, Applied ML, Knowledge Engineering, Software Engineering**

EDUCATION

- **Masters in Research in Computer & Systems Engineering** Technische Universitat Ilmenau
2019 - Now Thuringia, Germany
 - Software & System Engineering
 - Software Architecture
 - Complex Embedded
 - System Security
 - Information Systems
 - Research Project (Text-to-SparQL)
 - Research Seminar (COVID19 Tweets Data Graph Analysis)
 - Research Skills (Github GraphQL Security Flaw)
 - Algorithms
- **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.Taherian)
- **Certifications:**
 - Web Security (Shahid Beheshti University)
 - CCNA (Cybertech Co.)

PUBLICATIONS

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

PROJECTS ([HTTPS://YAZDIPOUR.GITHUB.IO/APPS/](https://yazdipour.github.io/apps/))

- **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**.
- **StyleGAN on Persian Carpet-Rug Patterns and Design:** Currently Working on
 - Collecting and Gathering database of Persian carpet designs and Using the well known **StyleGAN** to Generate carpet designs
- **Covid-19 Opinion Leaders on Twitter** Graph Analysis
*Identifying opinion leaders using in Tweets dataset using social network **Graph Analysis** methods.* Sep 2020
- **Enterprise Cross-platform Indoor mapping Application using Beacons** Xamarin
Geo Info Android and Windows Indoor mapping Application using beacons in GFP Startup Aug 2018-Jan 2019
- **Enterprise Android GIS Application** Java
Editable custom map rendering, On/Offline Navigation with mission manager dashboard 2018-Jan 2019

- **Recommendation System and Data Driven Decision Support** (github.com/yazdipour/DM17) Python
Sep - Nov 2017
for international student who seeks to study abroad with financial help
 - We have implemented a technique to bypass vBulletin CMS authentication system to crawl unstructured raw data from it and provide a database and afterwards using data analysis methods such as Decision tree, K-Nearest Neighbor and K-Means to determine chance of getting fund and building a Recommendation system, using Python libraries for data mining and PHP for server side Web crawler.
- **First Persian UWP Application** (<https://goo.gl/3Z1STA>) C#
Aug 2015
iTehran is the First Persian UWP application consist of Tehrans Public-Transportations full database.
 - 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.
- **Wireless Garage Door Cracker:** Jul 2017
 - Consist of Capturing sub-1 GHz signals with RTL-SDR and Analyzing them with GQRX and URH(Universal Radio Hacker) and sending signals with YardStickOne.

SKILLS & EXPERIENCES

- **Programming Languages:** Professional with Python, Java, C#
- **Machine Learning Frameworks:** PyTorch, Huggingface, Keras TF
- **Platform Development Experience:** For Android, UWP, Xamarin, WPF
- **Databases/QLs:** MySql, SQLite, Neo4j, SparQL
- **Tools:** Git, Azure, Docker, Kubernetes

EXPERIENCE

- **Industry Experience:**
 - **Software Engineer at TomTom - Berlin, Germany:** Developing and delivering services in the field of traffic and travel information, tested and applied in the real-production system. Specifically It is my daily job to work with **MQTT and API service Design, Developing with Java, working with Azure and Kubernetes** and experiencing and learning new technologies. Aug 2020 - Now
 - **Software developer at 'GFPishro Co' - Tehran, Iran:** In GFPishro, working on **GIS** was the main focus of our team. We developed an Enterprise Software Package, Including **Cross-platform Web, Desktop and Mobile applications**. Also our team developed an indoor navigation application for **Android devices using Beacons** Oct 2017-Jan 2019
- **Teaching Experience:**
 - **Teacher Assistant - Fundamental of Programming (Dr. Somaye Arabi):** Fall 2016
 - **Teacher Assistant - Fundamental of Database (Dr. Somaye Arabi):** Winter 2016
- **Membership:**
 - **Member of Kharazmi University ACM Society:** 2013-2015
 - **Student Member of Persian Society of Machine Vision and Image Processing:** 2017 - Aug 2018

LANGUAGES

- Persian (Native)
- English (Fluent - Studied and worked in English Environments)