

# Shahriar Yazdipour

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## EDUCATION

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- **Masters in Research in Computer & Systems Engineering** Technische Universität Ilmenau  
*From 2019 Winter Semester* Thuringia, Germany
- **Bachelor of Computer Science** Kharazmi University  
*2013 - 2018* Tehran, Iran
  - **GPA:** 17/20
  - **Thesis 20.0/20.0** : A Recommendation System for Undergraduate/Graduate Applicants Seeking Financial Scholarship for Studying Abroad (Advisor: Dr.Taherian)
- **Certifications:**
  - **Python 3 Course: Beginner to Advanced (Udemy):** Jan 2020
  - **Web Security (Shahid Beheshti University):** Aug 2016
  - **CCNA (Cybertech Co.):** Jul 2015
  - **Network+ (Cybertech Co.):** Jan 2015

## EXPERIENCE

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- **Work Experience:**
  - **Internship - Software Developer at TomTom:** Developing software tools in the field of traffic and travel information, tested and applied in the real-production system, where the back-end integration with existing modules/sub-system as well as intuitive UI. Specifically I developed emergency vehicle alert system API service on Azure using Java Spring and a MQTT client for emergency alerts and warnings project. **Aug 2020 - Feb 2021**
  - **Software developer at 'GFPishro Co':** 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

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- **Persian:** Native
- **English:** Fluent
- **German:** Basic

## PUBLICATIONS

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- **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]

## SKILLS & EXPERIENCES

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- **Programming Languages:** Java, C#, Python
- **Machine Learning Frameworks:** Keras, Ski-learn, Pytorch, NLTK
- **Platform Development Experience:** Android, UWP, Xamarin Forms, WPF
- **Database:** MySQL, SQLite, Neo4j, MongoDB
- **Tools:** Azure, Git, Microsoft App Center, Docker, Kubernetes

## PROJECTS (<https://yazdipour.github.io/apps/>)

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- **Sentence embedding for learning the transformation:** NLP Project - Jan 2021
  - Implementation of sentence embedding for learning the transformation of questions to SPARQL queries with DBPedia integration.
- **Covid-19 Opinion Leaders on Twitter** Graph Analysis  
*Identifying opinion leaders using given attributes in Tweets dataset using social network analysis methods.* Sep 2020
- **Enterprise Cross-platform Indoor mapping Application using Beacons** Xamarin  
*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](https://github.com/yazdipour/DM17)) Python  
*for international student who seeks to study abroad with financial help* Sep - Nov 2017
  - 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/3Z15TA>) 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.
- **Wireless Garage Door Cracker** Python  
*Wirelessly opening fixed-code garage door* 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
- **PocketX - Windows Pocket Client** (<https://yazdipour.github.io/pocketx>) C#  
*Unofficial Pocket Client for Universal Windows Platform (Modern with Fluent Design)* Jan 2019
- **Cross-platform YouTube Proxy** (<https://goo.gl/QM2KC5>) Xamarin  
*A service which provides YouTube for countries in which access to YouTube is restricted.* Sep 2017
- **First UWP Pdf viewer with color inverter** (<https://goo.gl/thvb9q>) C#  
*BlackReader is the 1st UWP pdf viewer app that could invert papers color plus Ink support (+10,000 users)* Nov 2015
- **Bot playing Rapid70 Game with OCR and GUI automation** ([github.com/yazdipour/Rapider](https://github.com/yazdipour/Rapider)) Python  
*Game player bot has scored highest point in GooglePlay Leaderboard - using Aspose.OCR & OpenCV* Jan 2017
- **Subtitled** (<https://goo.gl/VovdQC>) PHP + C#  
*An UWP App with a server-side crawler to provide subtitles in many languages with more than 10000 users* Aug 2016