Shahriar Yazdipour

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EDUCATION

- **Masters in Research in Computer & Systems Engineering** — Technische Universitat Ilmenau
  From 2019 Winter Semester — *Thuringia, Germany*

- **Bachelor of Computer Science** — Kharazmi University
  2013 - 2018 — *Tehran, Iran*
  - **GPA**: 17/20   (1.9 in German Grade)
  - **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

- **Work Experience**:
  - **Software developer at 'GFPishro Co'**: In GFPishro, working on GIS was the main focus of our team. We developed an **Enterprise Software Package for a Gas Company**, Including Cross-platform web, desktop and mobile applications. We also developed 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 Iranian Society of Machine Vision and Image Processing**: — *2017 - Aug 2018*

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]*

SKILLS & EXPERIENCES

- **Programming Languages**: `C#, Java, Python, PHP`

- **Machine Learning Frameworks**: `Keras, Ski-learn, ML.NET`

- **Development Experience**: `Android, UWP, Xamarin, WPF, Docker`

- **Database**: `MySql, SQLite, Neo4j, Mongodb`

Relevant University Courses

- **Advanced Programming**: (Ranked 1st) A+
- **Database**: (Ranked 1st) A+
- **Compiler**: (Ranked 1st) A+
- **Mathematical Software**: (Ranked 1st) A+
- **Probability and Statistics Fundamental**: (Ranked 3rd) A+
- **Programming Languages Fundamentals**: (Ranked 2nd) A+
- **Fundamental of Software Engineering**: (Ranked 2nd) A+
- **Data Mining Fundamentals**: (Ranked 2nd) A+
- **Fundamental of Real Analysis**: (Ranked 1st) A
- **Data Structure and Algorithm**: (Ranked 3rd) A
- **Artificial Intelligence**: (Ranked 5th) A

Projects (https://yazdipour.github.io/apps/)

- **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) — 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 Iranian UWP Application** (https://goo.gl/3Z1STA) — C#
  iTehran is the First Iranian 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

- **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) — Python
  Game player bot has scored highest point in GooglePlay Leaderboard - using Aspose.OCR & OpenCV — *Jan 2017*

- **Subtitler** (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*