

Ziba Khani



INTRODUCTION

I am a passionate and self-motivated computer scientist interested in seeking new challenges and solving real-world problems. I am experienced in Data processing, Mining and Machine learning. I am looking for a role where I can grow and learn from other experienced members.

WORK EXPERIENCE

February 2021 – June 2021

- **Position:** Internship - RWTH Aachen University, Aachen, Germany
- **Summary:** I worked in the Process and Data Science group and my role was to automatically detect patterns in dotted charts of event data using Python.

February 2020 – July 2020

- **Position:** Research Assistant - Polytechnic Institute of Porto, Porto, Portugal
- **Summary:** I worked on Virtual Sign Project in GILT lab to automatically translate sign language to spoken language using Machine Learning and Natural Language Processing techniques.

EDUCATION

2017 – 2020

M.Sc. in Computer Science - Sapienza University of Rome, Italy

- **Relevant Courses:** Computer Vision, Data Management for Data Science, Machine Learning, Foundation of Data Science, Algorithm Methods of Data Mining, Human Computer Interaction, Software Engineering, Web and Social information extraction, Cloud Computing, Biometric Systems, Information Systems
- **Thesis:** Bi-directional sign language translation between Portuguese spoken Language and its corresponding sign language
- **Grade:** 102/110

2012 – 2016

B.S. in Information Technology Engineering - Azarbayjan Shahid Madani University, Tabriz, Iran

- **Relevant Courses:** Advanced Programming, Algorithm Design, Data Structure, Principles of Database Design, Artificial Intelligence
- **Thesis:** Initiating Kerio Controller and kerio Connect Service in University's Network Infrastructure

TECHNICAL SKILL

- **Programming Languages:** Python, R, Java, C++, HTML, CSS,
- **Databases:** Neo4J, MySQL, MongoDB
- **IDEs worked with:** Pycharm, IntelliJ, Visual Studio
- **Libraries worked with:** Pytorch, Keras, Scikit-learn, Apache Spark, Networkx, OpenCV – Python
- **Other skills:** Photoshop, LaTeX, EndNote, Linux(Ubuntu), Microsoft Office, Hadoop, AWS

PROJECTS

- Machine Learning project (Implementing regressions and classification algorithms on specific dataset and evaluate the algorithms).
- Developing an ios app for Human Computer Interaction course for water drink reminding.
- Developing Search Engine that uses vector space model in python.
- Ear detection using Open-Cv for Computer Vision course.
- Implementing Hash Table , BFS algorithms, Kmean++ algorithms and etc on large dataset for Algorithm Methods of Data Mining course.
- Extracting data from Immobiliare website; clustering extracted datasets and comparing the results.
- House price Kaggle competition for Data Science course. The regression algorithms are used to find the best accuracy for predictive model.
- Designing a Recommendation System for tourist information office using deep learning techniques for the Web and Social Information Extraction course.
- Feature extraction using deep convolutional neural networks for offline signature verification.
- Launching a website on Amazon Web Services for Cloud Computing course.

AWARDS And SCHOLARSHIPS

- Grantee graduate student for Erasmus+ scholarship program.
- Ranked Top Three Percent in Iran Nationwide University Entrance Exam.
- Gold Medalist of National Chess Competition among high school students of Iran.

PUBLICATION

- Khani, Z., Escudeiro, N., Escudeiro, P. "Towards Developing Parallel Corpora for portuguese and portuguese Sign Language", Simpósio de Engenharia Informática 2020.
- Goldoust, H., Khani, Z. "Proposing a Modern Clustering Method for Increasing the Lifetime of Wireless Ad-hoc Networks", International journal of computer science and information security.

PERSONAL SKILLS

- **English:** Fluent; TOEFL (iBT) score: 100/120
- **Italian:** A2
- **Turkish:** Native Language
- **Persian:** Native Language

Hobby

- : Chess, Tennis, Movies, Music