Emre Yilmaz

Mathematician

Mathematician successful at operating in both self-directed and team-based capacities. Familiar with NumPy, TensorFlow, NLTK, and SpaCy on Python. Decisive problem solver, clear communicator, and analytical thinker. Detail-oriented with strong knowledge of deep learning.

Work History

2021-08 – 2021-09

Data Scientist (Intern)

ROKIN GmbH, Munich, Bavaria

- Text analysis and the application of Natural Language Processing (NLP).
- Analysis, optimization, and documentation of the results.
- Comparison and evaluation different strategies to extract keywords and compare them.
- Comparing different strategies primarily KeyBERT, YAKE!, and RAKE using SpaCy and NLTK to extract keywords.

Education

2018-09 – 2022-01

Master of Science: International Mathematics

Julius-Maximilians-University Würzburg - Würzburg

- Relevant Coursework Completed: Mathematical Modelling & Deep Learning Modelling & Insurance Mathematics
- Research Project: Goal Oriented Chatbot
- Thesis: Irrationality Proofs of Zeta Values Using Modular Forms under supervision of J. Steuding (1.3/5.0)

Contact

Address
Erlangen, Bayern, 91052

Phone
+4915223431128

E-mail
assademre@gmail.com

LinkedIn
linkedin.com/in/assademre/

GitHub
github.com/assademre

Skills

Teamwork
Excellent

Organization and Time management
Excellent

Critical thinking
Very Good

2013-01 - 2018-01

Bachelor of Science: Mathematics

Izmir Institute of Technology - Izmir, Turkey

- Class Rank: 4
- Thesis: Oscillatory Integrals of Rational Function
- Study Abroad: Poland, Mathematics and Computer Science

2016-09 - 2017-06

Erasmus+: Mathematics and Computer Science

Gdansk University of Technology - Gdansk, Poland

- Received Erasmus+ grant
- Job-related courses: SQL
- Member of ESN

Certifications

2019-10 Coursera - Neural Networks and Deep Learning Credential ID:XJNRVQD3ZSKK

2017-06 European Union Erasmus+ Grant

Languages

Turkish

Excellent

English

Very Good

German

Basic

Software

- **Python**: NLTK and SpaCy for tokenizing, stemming, Named Entity Recognition (NER), and topic segmentation. Keras with TensorFlow for building basic level of neural networks. Basic level of NumPy.
- **Bash Script**: System administration
- **SQL:** Where clauses, left/right, inner/outer joins, normalization, indexing.

Hobbies and Accomplishments

- Knitting: I have started knitting after I read an article about the relation between Mathematics and knitting. Searching for new fabrics and models are what I do in my free time.
- Building a goal-oriented chatbot using a feed-forward model and a suicide detection trained with the data from Reddit and Twitter.
- Creating text-based Telegram games using Telebot package in Python.