

Koralp Catalasakal

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in kcatalsakal

Summary

Analytical programmer possessing strong knowledge of Machine Learning applications, Data Analysis and a sound background in Object-Oriented Programming. Encompasses a clear knowledge over statistics, has a mathematical-analytical mindset and aspires to become a Data Scientist/Entrepreneur.

Education

K.U. Leuven

Master of Science in Computer Science / A.I.

Leuven, BE

Sept 2018 - Current

- **Coursework** : Text Based Info. Retrieval, Data Mining, Evolutionary Computing
- **Thesis Topic** : ML in Shapley Space (Effective data clustering & dimensionality-reduction)

Bilkent University

Bachelor of Science in Electrical and Electronics Engineering

Ankara, TR

Sept 2014 - June 2018

- Graduated magna cum laude, GPA : 3.73 / 4.00
- **Coursework** : Algorithms, Data Structures, Neural Networks, Statistics & Data Analysis
- Received full scholarship for ranking 354/2, 000, 000 in Undergraduate Placement Examination.

Case Western Reserve University

Exchange program in Electrical and Computer Engineering

Cleveland, OH, USA

Jan 2017 - May 2017

- Completed the programme with 4.0 GPA
- Joined Zeta Psi Student Union Nu Chapter, and involved in social projects during the semester

Experience

Humain NV

Entrepreneurship Practice

Leuven, BE

Oct 2019 - Present

- Working with a start-up company over the topic of AI integration in business
- Designing informative workshops for C-suite audience
- Consulting client and stakeholders in iterative sprint service for AI adoption

Nokia Bell Labs

Machine Learning Intern

Antwerpen, BE

July 2019 - Aug 2019

- Launched MLFramework - A framework based on Keras and Tensorflow that enables efficient experimentation
- Created a wrapper of the Keras API, for ANN and LSTM networks. Simplified the API, and reduced code length around 50% for model creation
- Organized various experiments over models, and created an evolutionary algorithm solution. Introduced a LSTM network

Aselsan Inc.**Ankara, TR***Engineering Intern**June 2017 – July 2017*

- Implemented a software model of an Volkswagen Lupo in Matlab for enabling simulation over the route data
- Analyzed real-life bus route data from the municipality for testing and organized 10+ datasets to be ready for simulation
- Designed a simulation package and GUI for experimentation over the model using Matlab

PRF R&D Inc**Ankara, TR***Engineering Intern**June 2016 – July 2016*

- Conducted individual research upon simple signal processing techniques for further supplementing undergraduate studies.
- Gained insight upon working in a start-up company with a small/agile team.
- Implemented a simple radar model in Matlab environment and analyzed real life radar data for accurate distance calculations.

Professional Development

Coursera**Online/Leuven,BE***IBM DATA SCIENCE PROFESSIONAL CERTIFICATE**Jan 2020*

- Learned fundamentals of Data Science, Data Analysis & Visualization via Python and SQL
- Deployed Machine Learning models

Skills

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|--|-------------------------------------|
| ○ Machine Learning(Scipy-Keras-TF) | ○ Agile development |
| ○ Data Analysis/Visualization | ○ System Design - Hardware&Software |
| ○ Software Development - Python,Matlab | ○ Teamwork |
| ○ Java&Scala | ○ Entrepreneurship |
| ○ Databases - SQL | ○ Stakeholder communication |

Extracurricular

Bilkent University**Ankara, TR***Undergraduate Teaching Assistant**Jan 2016- May 2016*

- Supervised a group of 8-10 students in object oriented programming exercises.
- Practiced code debugging skills while helping peers to improve their codes.
- Developed better people skills through continuous interaction with peers from various backgrounds.

Bilkent University**Ankara, TR***Voluntary Teacher**Jan 2016- May 2016*

- Involved in voluntary work with social responsibility organizations in the campus.
- Practiced presentation and communication skills by giving lectures to groups of 4-5 people about Mathematics.
- Worked as a team member while improving social networking skills with peers from different technical backgrounds.

Additional

- Fluent in English and Turkish
- Beginner in Dutch
- Loves travelling (Currently been to 15 countries)
- Ex-licensed tennis player