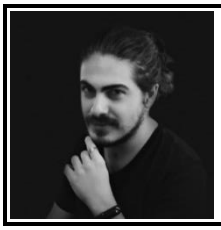

KADIR BERAT YILDIRIM

DATA SCIENTIST

CONTACT

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kadirberatyildirim

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kadir-berat-yildirim

PROFILE

Senior year physics engineering student at ITU. Enthusiastic about positive sciences and aim to merge academical physics knowledge with technical skills I have gained. Methodical and self-motivated worker seeking for development through experience.

EDUCATION

Physics Engineering BSc

Faculty of Science & Letter

Istanbul Technical University

2015 -- Still

High School Education

FMV Ayazağa Işık Lisesi

2010 -- 2015

Piano Division

Piano-Harp-Guitar Program

Music Department

Mimar Sinan Fine Arts University State Conservatory

2007 – 2015

LANGUAGES

Turkish (Native)

English (C1)

German (A2)

Russian (A1)

Spanish (A1)

EXPERIENCE

DATA SCIENTIST

TURKNET TELECOMMUNICATIONS COMPANY

JUNE 2021 – PRESENT

* Deployment of mlflow environment
* Visualization of data using MSSQL and Tableau
* Sentiment analysis with Naïve Bayes and LSTM algorithms

DATA SCIENCE LONG-TERM INTERNSHIP

TURKNET TELECOMMUNICATIONS COMPANY

DECEMBER 2020 -- JUNE 2021

* Customer clustering and Churn predictions using DNS/Netflow data
* Ahtapot Project - Path and mean time predictions for resolving customer tickets

ACADEMICAL INTERNSHIP

FACULTY OF SCIENCE & LETTER, ISTANBUL TECHNICAL UNIVERSITY

SEPTEMBER 2020 -- OCTOBER 2020

• Studies on Quantum Computing with Assoc. Prof. Altan Çakır

CLOUD & AI INTERNSHIP

INTERNATIONAL BUSINESS MACHINES CORPORATION (IBM)

JULY 2020 -- AUGUST 2020

* Turkish Natural Language Processing Problem

• Data Science Foundations Learning Path

• Deep Learning Learning Path

• Project: Position Predictions on Projectile Motion Using IBM’s Watson Studio

SKILLS

Main Programming and Query Languages

* Python * Java * R * Latex
* Julia * Sql

Other Development Languages

*MATLAB *SageMath *C# *C++
*Fortran *Lilypond

Development Tools – IDE

* Visual Studio * JupyterLab * Spyder
* RStudio * Overleaf * Frescobaldi

Development Libraries

* numpy * pandas * matplotlib
* seaborn * plotly * pyqt5/pyside2
* keras * tensorflow * ggplot2
* awt * mlflow * scikit-learn
* django

Others

* Microsoft Office * LibreOffice * Linux
* Raspberry Pi * SolidWorks * Tableau
* PyCharm * VS Code * Github

ONLINE CERTIFICATES

Deep Learning Specialization

DeepLearning.AI on Coursera

* Neural Networks and Deep Learning
* Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
* Structuring Machine Learning Projects
* Convolutional Neural Networks
* Sequence Models

Projects on Coursera

* Build Multilayer Perceptron Models with Keras
* Exploratory Data Analysis with Seaborn
* Image Classification with CNNs using Keras
* Neural Network Visualizer Web App with Python
* Image Super Resolution Using Autoencoders in Keras

ACTUARIAL AND STATISTICAL DEPARTMENT

NN HAYAT VE EMEKLILIK A.Ş.

2015 – 2017

• Validating Customer Contracts on Customer relationship management (CRM) System, Agito and Oracle

• Automating Daily Tasks such as PDF to Excel Conversion

PRIVATE PIANO LESSONS

2013 – Still

• Certificate Exam Preparations (LCM & Royal Academy)

• Teaching Musical Theory

PROJECTS

Graduation Project - Quantum Deep learning for Particle Physics Applications

Faculty of Science & Letter, Istanbul Technical University

February 2021 - June 2021

* CERN data is explored deeply
* Quantum LSTM and Quantum DNN algorithms developed to learn and predict particle physics classification problems
* Comparison between Quantum and Conventional deep learning algorithms

'NETIR' Object Based Heating Infrared Ovens

Faculty of Science & Letter, Istanbul Technical University

August 2017 - May 2019

* Design and Development of the Infrared Oven
* Second Prize in Tübitak 2242 Research Projects Competition

'YuBİTA' Recognition of Permanent Facial Wounds

Faculty of Science & Letter, Istanbul Technical University

November 2018 - March 2020

* Joint Project between Faculty of Science & Letter, Istanbul Technical University and Institute of Forensic Sciences, Istanbul University
* Developing GUI Plugin for ImageJ using Java, for Purpose of 2D Analysis
* Automatic Report Creation using Python Library ReportLab

Hand-Written Cross-Lines Detection

Faculty of Science & Letter, Istanbul Technical University

February 2020 - September 2020

* GUI Creation using Python's PyQt5 Library for 3D Rendering, Data Management and Visualization

PERSONAL SKILLS

* Piano
* Wing Tsun
* Tennis
* Academical Reading/Writing
* Public Speaking

ACTIVITIES

* Voluntary Piano Workshops for 4 Years at ITU Western Music Club
* 'Melody of Mathematics' Project Explaining the Relationship Between Physical and Mathematical Concepts of Music. Presented to Darüşşafaka Students at TİM Show Center
* Piano Performances at FMV Işık High School, Mimar Sinan Conservatory and ITU

REFERENCES

Altan Çakır

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gelira@itu.edu.tr

OTHERS

Driving License: B

Inhaler Cabinet

Faculty of Science & Letter, Istanbul Technical University

July 2019 - July 2020

* Joint Project between Faculty of Science & Letter, Istanbul Technical University and School of Medicine, Bezmialem Foundation University
* Electronic Control of Arduinos using Raspbian on Raspberry Pi 3 Model B
* GUI using Python's PyQt5 Library for User Input and Data Visualization

SELF-MOTIVATED PROJECTS

Home Server / NAS

* Server runs on Ubuntu Server OS
* Job scheduling using crontab
* Various python scripts running for assisting daily tasks
* Online portfolio using Django as a backend library

“FormulaZ” App Development

* Content creation for physics and mathematics subjects
* Created and released an app on Apple Store and Play Store with 2 other friends, which included lectures and formulas on positive sciences, intended for university exam preparation
* Android Studio

Gravity simulation

* Python with pygame and PyQt5 libraries

Ideal gas simulation

* Python with matplotlib and dearpygui libraries

Prey/Predator simulation

* Python with pygame and plotly libraries

Cat/Dog classifier CNN model

* Python using keras library

Small games created using Unity game engine with C# programming language

* Visual Studio Code