Mert Demir

Data Scientist

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in Linkedin ➤ Website ⦿ Github 𝗄𝖺𝗀𝗀𝗅𝖾 Kaggle ⓒ Coursera ◖◗ Medium

Profile

As a highly experienced data scientist with a medical background, I have a strong understanding of both fields and how they intersect. I have over four years of experience working with machine learning techniques and have applied them to a variety of real-world medical problems. My expertise in both areas allows me to approach data analysis from a unique perspective, providing valuable insights and solutions to complex problems. I am dedicated to staying up-to-date with the latest developments in the field and am always looking for new challenges and opportunities to apply my skills.

Education

Machine Learning Specilization, *Stanford University* 🔗
2022 – 2022
California, U.S.A

Machine Learning for Trading Specialization, *New York Institute of Finance* 🔗
2022 – 2022
New York, U.S.A

IBM Data Science Professional Certificate, *IBM*
2022 – 2022

Google Data Analytics Professionel Certificate, *Google* 🔗

Elements of Artificial Intelligence, *University of Helsinki* 🔗
2022 – 2022
Helsinki, Finland

MicroMasters Program in Statistics and Data Science,
Massachusetts Institute of Technology
Relevant coursework:
2021 – 2022
Boston, U.S.A

B.Sc. Audiology and Speech-Language Disorders, *Istanbul Aydin University*
Relevant coursework: Biostatistics, Medical Biology and Genetics, Physics and Acoustic Biophysics, Health Communication and Communication Skills, Scientific Research Methods
2013 – 2018
Istanbul, Turkey

Professional Experience

Data Scientist, *Freelancer*
2018 – present
- Designed a high-accuracy crypto market movement prediction system using time series analysis (MA, ARMA, ARIMA, etc.)
- Created algorithmic trading system with %93+ accuracy
- Built a TensorFlow Deep Learning Model and PyTorch Deep Learning Models at Scale with Azure ML

Product Owner, *Rising Digital*
01/2022 – 08/2022
- Collaborated with teams to discover and deliver the best solution to the market presented by the product team lead and the business.
- Created and maintained the solution vision, roadmap, and backlog of work through the project's life cycle.
- Acted as liaison between business, sales and IT teams to refine the product and incorporate features based on market demands.

Content Writer, *Odyoloji Kulubu*
2016 – 2018
Istanbul, Turkey

Lead Data Scientist, *Sevdrus Design Collection* — 2020 – 2022, Istanbul, Turkey
- Currently developing a recommendation engine for production to conditionally recommend other menu items based on history
- Implemented various time series forecasting techniques to predict surges in customer orders to lower average customer wait time by 10 minutes
- Designed, executed, and optimized a digital marketing campaign on Google AdWords; led to %24 increase in ROL

Project Coordinator & Operator, *Associazione IL PORTICO* — 2019 – 2021, Venice, Italy
- Developed and coordinated social include activities
- Administrated association's cyber security system
- Managed database systems and analyzed yearly data

Internship, *Médecins Sans Frontières* — 06/2017 – 09/2017, Istanbul, Turkey

Intern Audiologist, *Mersin University Medical Faculty Hospital* — 06/2016 – 09/2016
- Examined patients who has hearing and balance loss
- Collected and statically analyzed test results

Intern Audiologist, *Bagcilar Training and Research Hospital* — 02/2016 – 06/2016, Istanbul, Turkey

Courses

IBM Data Science Professional Certificate, *IBM* — 2022

Analysis of Algorithms, *Princeton University* — 2022, New Jersey, U.S.A

Algorithm I, *Princeton University* — 2022, New Jersey, U.S.A
- Grade Achieved: 96.8%

Algorithm II, *Princeton University* — 2022, New Jersey, U.S.A
- Grade Achieved: 93.6%

CS50: Introduction to Computer Science, *Harvard University* — 2021, Boston, U.S.A

Certificates

Digital Technology Data Analytics Program 🔗 *(General Electric)*

Google Data Analytics Professional Certificate

Machine Learning Pipelines with Azure ML Studio 🔗 *(Grade Achieved: 100%)*

Advanced Google Analytics Certificate 🔗 • **Google Analytics for Power Users Certificate**

Machine Learning with Python *(freeCodeCamp)* • **Advanced SQL** *(Kaggle)*

Data Analysis with Python *(freeCodeCamp)* • **Elements of AI** *(University of Helsinki Grade Achieved: 97%)*

For more please check my Linkedin account. 🔗

Projects

Covid Genome Analysis
- Analyzing the RNA sequence of COVID and its major variants

Face and License Plate Detection System
Face and license plate recognition system over the live video I made for the institution I work for

Deep Learning with Pytorch, *Neural Style Transfer* 🔗

Text Classification with TensorFlow, *Fine Tune BERT for Text Classification* 🔗

NLP with TensorFlow Hub, *Transfer Learning* 🔗

Sentiment Analysis, *Pandas, NLTK* 🔗

Stock/CryptoCurrency Price Prediction, *Using Facebook Prophet* 🔗

Web Data Scrapper, *Selenium,BeautifulSoap4* 🔗
- Ebay Price Scrapper
- Social Media Scrapper

freeCodeCamp Projects

Machine Learning Pipelines, *Azure ML Studio*

Deep Learning with PyTorch, *Generative Adversarial Network*

Kapio, *Nvidia*
Detecting speech and language disorders by using voice and facial recognition artificial intelligence technologies

Skills

RStudio *(shiny R and Statistical analysis)* • **Python** *(Data Analysis and Machine Learning)* • **SQL**

MATLAB *(Machine Learning applicatios)* • **Microsoft Office Products** • **Statistical Analysis** *(Stata, SPSS, RStudio)*

Artificial Intelligence • **Machine Learning** • **Dataiku** • **Cloud Services** *(AWS, Azure)*

Speeches and Presentations

Sewing Solidarity Together,	10/2020
Europe for Citizens program Part of the CEV Autumn Volunteering Congress, Speaker	Brussels, Belgium
Pre and post operation evaluation of SRT and SDS scores on patients with bone conduction implants, *1st. Audiology Student Symposium, Istanbul Aydin University*	05/2017 Istanbul, Turkey
Cochlear Implant and Hearing aids fitting done correctly, *1st Istanbul Interdisciplinary Health Sciences Student Research Congress, Istanbul Aydin University*	05/2016 Istanbul, Turkey

Publications

Pre and post operation evaluation of SRT and SDS scores on patients with bone conduction implants, *Mert Demir*	06/05/2017
Cochlear Implant and Hearing aids fitting done correctly, *Mert Demir*	12/05/2016

Volunteering Experience

Basta Violenza sulle Donne, *Technical Assistant* Ending violence against women, NGO.	2019 – 2021 Venice, Italy
Europen Solidarity Corps	2019 – 2020 Venice, Italy
Toplum Gonulluleri Vakfi, *Volunteer* Various Youth Projects; children's rights, sexual health, youth rights etc.	2015 – 2017 Istanbul, Turkey
Toplum Gonulluleri Vakfi, *Educator* Ear and hearing health education for corporate employees	01/2016 Istanbul, Turkey
Night Schools for Immigrants, *Educator* Turkish lessons for Syrian immigrants	05/2015 – 09/2015 Mersin, Turkey

Languages

Turkish *(Native)* • **English** *(C2 Proficiency)* • **Italian** *(B2-C1)* • **Arabic** *(B1 Proficiency)*

American/Italian Sign Language *(A2 Proficiency)*