Peyman Kor

Data Scientist | M.Sc in Mathematical Modeling and Computation | M.Sc in Engineering

Tåsingegade 29
Copenhagen Ø, 2100
+45 91962312
kor.peyman@gmail.com

Data Scientist with Analytical Mind Passionate and Experienced in Development and Shipping Containerized Statistical ML and Deep Learning Models to Production Through Python, R, Pytorch and Docker Framework.

Profile

I enjoy working with complicated analytical challenges, brainstorming novel ideas, curious of solving real-world problems, and delivering high-quality solutions. I am both a highly-collaborative team player with enthusiasm to work independently and flexible attitude accustomed to working in agile development environment.

Education

2019–2020 **M.Sc Student**, *Mathematical Modeling and Computer Science*, Technical University of Denmark, DENMARK.

2017–2019 **Master of Science**, *Petroleum Engineering*, University of Stavanger, NORWAY.
Grade: AB

Final Project:, Decision-Driven Data Analytics for Well Placement Optimization in Field Development Scenario - Powered by Machine Learning.

Award, *Best Poster Award for M.Sc Thesis*, 2nd Award for "Best Poster Presentation" at European Student Congress, Poland.

Work Experience

Jan-present 2020 **Data Scientist**, *Decarbonify*, Copenhagen, Denmark.
- ***Lead*** and managed the development, documentation and implementation of the analytical dashboard for a business costumer.
- ***Established*** and implemented the database system leading to easier and efficient data extraction and analysis.

Oct-Jan 2019-2020 **Machine Learning Developer**, *DTU*, Copenhagen, Research Project.
- ***Developed*** a Bayesian Neural Network using Pytorch for Classification and Regression Problem.

Jun-Aug 2019 **Data Scientist Intern**, *AKER BP*, Stavanger, Joint Project UiS/AKER BP.
- ***Developed*** a cloud-based web dashboard for VOI Calculation in Management Decision Making.
- ***Developed*** a cloud-based web dashboard for Geostatistical Estimation of Geological Properties.
- ***Developed*** a cloud-based web dashboard for Probabilistic Reserve Evaluation.

Sep-Apr 2018-2019 **Research Assistant**, *University of Stavanger*, Master Thesis.
- ***Involved*** in "Decision-Driven Big Data and Analytics for the Digital Subsurface" DIGIRES Project.
- ***Published*** M.Sc Thesis in "Decision-Driven Data Analytics for Well Placement Optimization in Field Development Scenario - Powered by Machine Learning".

Technical Competence

- **D**ata Importing, Processing, Visualization, Reporting
- **D**eep Learning Techniques, CNN, RNN, Model-Based Machine Learning
- **D**ecision Analysis, Stochastic Optimization, Advanced Linear Algebra
- **S**tatistical Modeling, Predictive Analytic, Time Series Analysis
- **B**usiness Intelligence, Web Dashboard Development, Deployment
- **F**eature Engineering, ML Model Development, Model Evaluation

Data Science & ML Skills

Portfolio of my data Science Projects are available here: Github Link

Programming	**R** (Tidyverse, Rdatatable, Shinyapp, Rmarkdown), **Python**(Pandas, Numpy, Scikit-learn, Tensorflow,Plotly), **SQL** (SQLite, MariaDB), **Big Data** (Spark, Pyspark, Rdatatable)
Machine Learning	**Pytorch** (CNN, GAN, RL, CUDA), **R**(XGBoost, CARET), **AutoML** (H2O)
Cloud Services	**AWS** (S3, Query), **GCP**, **Google Colab**
Others	**Version Control** (Git, Github), **(**Docker),**(**Kubernetes), **MATLAB**, **LATEX**

Licenses and Certifications

Python Basics, Coursera, University of Michigan - **Mathematics for Machine Learning: Linear Algebra** Coursera, Imperial College London - **The Data Scientist's Toolbox**, Coursera, Johns Hopkins University

Data Science Specialization , *Coursera*, Johns Hopkins University , in progress.

Python 3 Programming Specialization , *Coursera*, University of Michigan, in progress.

Mathematics for Machine Learning Specialization , *Coursera*, Imperial College London.

Honors and Awards

Sep 2019 **Innovation Hackathon Prize**, *Technical University of Denmark*, Copenhagen.
- ***Awarded*** First prize of DKK 100,000 for proposing a digital dialogue tool for new parents

Jun 2019 **Most Integrated International Student**, *University of Stavanger*, Stavanger.
- ***Awarded*** "Most Integrated International" Student at Institute of Energy Resources, Class 2019.

Apr 2017 **Full Erasmus Mundus Scholarship**, *European Commission*.
- ***Awarded*** admission to join the MathMods MSc program with a full Erasmus Mundus scholarship.

Extracurricular Activity

R Celebration Conference , *Copenhagen*.
Volunteered to assist during celebration for 20th anniversary of R programming language.

SDG Student Ambassadors DTU , *Copenhagen*.
Ambassadors to mobilize and inform students from all disciplines about the Sustainable Development Goals.

DTU Volleyball Team, *Copenhagen*.
Official member of Technical University of Denmark (DTU) team attending the regional competitions.

TEDxStavanger Volunteer, *Stavanger*.
Assigned to provide the latest update about TEDx Stavanger event in twitter account of TEDx Stavanger.

Conference Presentation

Jun 2019 **81st EAGE Conference and Exhibition**, *United Kingdom*, London.
- ***Presented***,"Data Analytics for Field Development Optimization-Powered by Machine Learning",

Jun 2019 **79th EAGE Conference and Exhibition**, *France*, Paris.
- ***Presented***, "Development of a New Model for Quantifying of Asphaltene Deposition",

Languages

English (Fluent), Norsk (Intermediate), Danish (Elementary), Turkmen (Native), Persian(Fluent)

Journal Publication (Citations=62, h-index=4)

Five Journal Papers in Peer-reviewed Journals

Citations=62, h-index=4 (Jan 2020)

Link Google Scholar Profile

Recommendation-Available upon request