



Tural Sadigov

Machine Learning, Data Science,
Python, DevOps, R

Contact

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tural-sadigov/

Skills

Python



Machine Learning



Git/GithubActions/Docker



Database/DBeaver/Postman/SQL



Battery Data Science



R/R Studio



VS Code/Software Development



AWS/PositConnect



Education

2008 - 2015/ 2003 - 2008

Ph.D and MA, Applied Mathematics / BS, Mathematics

Indiana University Bloomington/
Bogazici University (Istanbul)

Summary

Staff Data Scientist and Data Intelligence Lead with Ph.D. in Applied Mathematics with 8+ years of experience in developing machine learning models, APIs, and web apps integrating data pipelines. Skilled in Python, Git, GitHub Actions, and Posit Connect. Creator of private and public packages for data analysis and modeling. Looking for opportunities to leverage expertise in machine learning and data science.

Experience

Staff Data Scientist

Seption Technologies

02/2023 - 08/2024

- Led projects in Machine Learning, Data Science, Data Engineering, DevOps and Software Development.
- Developed ML pipelines/deployed ML models
- Created and managed PostgreSQL and Amazon Redshift databases.
- Developed custom web applications for internal use, maintained Posit Connect server in AWS, deploying various data products.
- Automated scripts for preprocessing data, training, and deploying ML models.
- Developed an internal Python package.
- Saved over \$172,000 in software budget through negotiation and data analysis.

Data Intelligence Lead

MagicPort AI

07/2024 - Present

- Using Machine Learning algorithms to identifying unique vessels from messy vessels' data.
- Consulting Maritime Intelligence team on data-related issues.
- Mining data to display vessel movements.

Visiting Assistant Professor

Hamilton College

07/2020 - 02/2023

- Redesigned data science courses, integrating extensive coding.
- Participated in data science initiatives, leading to the creation of a data science major.
- Engaged students in Machine Learning projects.
- Increased the number of majors in data science.

Research Associate

Air Force Research Lab Griffis Institute

06/2020 - 08/2021

Proved the existence of theoretical neural network solutions for differential equations, and designed and implemented numerical algorithms in Python to solve partial differential equations.

Coursera Instructor, Applied Mathematics Lecturer and Math Service Coordinator

SUNY Polytechnic Institute

08/2015 - 05/2020

Co-teaching Practical Time Series Analysis using R. Promoted data analysis certificate by delivering technical lectures in various statistics and applied mathematics courses such as Applied Probability, Regression, and Time Series Analysis at undergraduate and graduate levels

Awards and Grants

Gold Medals : Azerbaijan Mathematical Olympiad, 2000, 2001, 2002, 2003

Bronze Medal: 44th International Mathematical Olympiad, Tokyo, Japan, 2003

Research Grants: Air Force Research Lab/Griffis Institute, 2021-2022 (\$36,000)

Pedagogical Awards: Dean's Pedagogical Development Awards (\$4,500), Teaching Grant (\$10,000) , SGU Award for Excellence in Teaching