HAYDAR EVREN

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WORK EXPERIENCE

The Data Incubator   Sep. 2021 – Nov. 2021
Data Science Fellow, Data Science Boot Camp   New York, NY (Remote)
- Received a fellowship from a highly selective (2% of Ph.D.s accepted) and rigorous, 8-week program
- Built an NLP based recommender system using Scikit-Learn, Tensorflow, and Flask in a fully deployed web app
- Created ensemble machine learning models using Pipelines, GridSearch, Feature Unions, and Column Transformers
- Built a stock analysis web app that retrieves data from Alpha Vantage and presents the analysis using Bokeh and Flask
- Developed CNN-based image classifiers leveraging transfer learning with a 5 GB+ dataset using TensorFlow

dData   Jun. 2021 – Aug. 2021
Data Science Intern, Fintech Startup   Cambridge, MA (Remote)
- **Led a machine learning project** that predicts macroeconomic indicators using 1k+ of variables
- Built a multiple imputation technique and deep learning model; **boosted the model performance (RMSE) by 30%**
- Optimized algorithms; improved speed of the pipeline and reduced AWS costs by 20%
- Pitched the technological capabilities of the product to the Asian Development Bank; received additional investment

RIG   May 2021 – Aug. 2021
AI/ML Software Engineer Intern   Bethany, CT (Remote)
- Worked on **back-end development of a progressive web application** that enables fast, touchless entry to venues
- Built an API for face verification and OCR data extraction for ID cards; decreased unauthorized access by 20%
- Enabled documentation of codebase and created a comprehensive business plan; led to an increase in efficiency

Boston College   Sep. 2016 – Present
Instructor & Ph.D. Candidate, Department of Economics   Chestnut Hill, MA
- **Taught 6 courses** to 30-70 undergraduate and graduate students per semester; received a teaching excellence award
- Courses included: **Machine Learning for Economics**, Forecasting Techniques (Graduate Level), Microeconomics Theory
- Supervised a team of 3 doctorate students that led discussion sections for 200+ sophomores in Econometrics Labs
- Created an algorithmic solution for multi-period apportionment problem affecting 12k jobs using graph theory and statistics
- Presented at 9 national and departmental seminars to audiences ranging from 10 to 30+ people

EDUCATION

Boston College   Sep. 2016 – May 2022 (Expected)
Ph.D. in Econometrics and Quantitative Economics   Chestnut Hill, MA
- **Coursework**: Applied Econometrics and Big Data, Statistics, Nonlinear Econometrics

The Data Incubator   Sep. 2021 – Nov. 2021
Data Science Certification – Fellowship Program   New York, NY
- **Coursework**: Data Structures, Algorithms, Databases, Machine Learning, Distributed Computing, NLP, Deep Learning

Bogazici University   Sep. 2009 – May 2014
B.S. in Electrical Engineering & Mathematics (Double Major)   Istanbul, Turkey
- **Coursework**: Probability, Optimization, Linear Algebra, Numerical Methods, Multivariate Calculus

TECHNICAL SKILLS

Languages : Python, R, SQL (MySQL, PostgreSQL), MATLAB, Stata, HTML
Framework/Tools : Scikit-Learn, TensorFlow, PySpark, PySpark ML, Pytorch, H2O, AWS, Docker, Git
Machine Learning : Regression, Classification, Ensemble Methods (XGBoost, Random Forest), NLP (Word2vec, BERT), Deep Learning, Feature Engineering, Deep Reinforcement Learning, Time-Series Analysis

AWARDS AND ACTIVITIES

- Donald J. White Teaching Excellence Award, 2021
- Competed in various college snowboard championships, 2009-2014
- 2nd place in National Math Olympiads & Member of Turkish Team at International Mathematical Olympiads, 2008