

HAYDAR EVREN

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EDUCATION

Boston College

Ph.D. in Economics

Sep. 2016 – May 2022 (Expected)

Chestnut Hill, MA

- **Coursework:** Applied Econometrics and Big Data, Statistics, Nonlinear Econometrics

The Data Incubator

Data Science Certification – Fellowship Program

Sep. 2021 – Nov. 2021

New York, NY

- **Coursework:** Data Structures, Algorithms, Databases, Machine Learning, Distributed Computing, NLP, Deep Learning

Bogazici University

B.S. in Electrical Engineering & Mathematics (Double Major)

Sep. 2009 – May 2014

Istanbul, Turkey

- **Coursework:** Probability, Optimization, Linear Algebra, Numerical Methods, Multivariate Calculus, Signal Processing

WORK EXPERIENCE

Boston College

Instructor & Ph.D. Candidate, Department of Economics

Sep. 2016 – Present

Chestnut Hill, MA

- Taught 4 courses to 30-60 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

The Data Incubator

Data Science Fellow, Data Science Boot Camp

Sep. 2021 – Nov. 2021

New York, NY (Remote)

- Received a fellowship from a highly selective (2% of Ph.D.s accepted) and rigorous, 8-week bootcamp
- Built an NLP based recommender system using Scikit-Learn, Tensorflow, and Flask in a fully deployed web app
- 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

Data Science Intern, Fintech Startup

Jun. 2021 – Aug. 2021

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 Elastic Computing costs by 20%
- Pitched the technological capabilities of the product to the Asian Development Bank; received additional investment

RIG

AI/ML Software Engineer Intern

May 2021 – Aug. 2021

Bethany, CT (Remote)

- Worked on back-end development of a progressive web application that enables fast, touchless entry to venues
- Built a Python package for face verification and OCR data extraction for ID cards; decreased unauthorized access
- Enabled documentation of codebase and created a comprehensive business plan; led to an increase in efficiency

TECHNICAL SKILLS

Languages : Python, R, SQL (MySQL, PostgreSQL), MATLAB, Stata, HTML/CSS, LaTeX, C++, Julia

Framework/Tools : Scikit-Learn, TensorFlow, PySpark, PySpark ML, PyTorch, H2O, AWS, Docker, Unix, 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 from Boston College, 2021
- Competed in various college snowboard championships, 2009-2014
- 2nd place in National Math Olympiads & Member of Turkish Team at International Mathematical Olympiads, 2008