

Haydar Evren

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EDUCATION

Boston College

Ph.D. in Economics

Chestnut Hill, MA

May 2022 (Expected)

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

The Data Incubator

Data Science Certification – Fellowship Program

New York, NY

Nov. 2021

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

Bogazici University

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

Istanbul, Turkey

May 2014

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

WORK EXPERIENCE

dData

Data Science Intern, Fintech Startup at Harvard Innovation Lab

Cambridge, MA

Jun. 2021 – Aug. 2021

- Utilized R and AWS to implement machine learning techniques for the nowcasting of economic indicators on 15GB data.
- Led the project for 5 pilot countries and improved several tasks in the pipeline; boosted the model performance by 30%.
- Tasks included: multivariate time series imputation, supervised dimensionality reduction, time series forecasting
- Profiled existing code and delivered algorithmic improvements; reduced the total process time by 20%.
- Pitched to investors from Asian Development Bank detailing performance and interpretability of the model.

Revolutionary Integration Group

AI/ML Software Engineer Intern

Bethany, CT (Remote)

May 2021 – Aug. 2021

- Utilized Python and TensorFlow to develop the backend of a mobile web app that enables fast, touchless entry to venues.
- Automated visual verification, data extraction, and fraud detection; reduced unauthorized access in simulations by 20%.
- Tasks included: face verification, text extraction for ID cards, data validation, dynamic trust level assignment
- Presented results to CEO and wrote requested executive summary detailing value proposition and project financial plan.

The Data Incubator

Data Science Fellow, Data Science Bootcamp (3% of Ph.D.s accepted)

New York, NY (Remote)

Sep. 2021 – Nov. 2021

- Utilized NLP, transfer learning, deep learning and Flask to build a beer recommendation system in a fully deployed web app.
- Built a stock analysis web app that retrieves data from Alpha Vantage and creates financial analysis using Bokeh and Flask.
- Utilized Python, scikit-learn, SQL, Spark, Keras, and BeautifulSoup to design and implement 7 data science projects.

Boston College

Doctoral Researcher & Instructor, Department of Economics

Chestnut Hill, MA

Sep. 2016 – Present

- Utilized graph theory, statistics, and Python to create an algorithmic solution for affirmative action problem affecting 12k jobs.
- Taught 4 courses to 30-90 undergraduate and graduate students per semester; received a teaching excellence award.
- Courses included: Forecasting Techniques (Graduate Level), Machine Learning for Economics, Microeconomics Theory
- Presented research papers at 9 national and departmental seminars to audiences ranging from 10 to 30+ people.
- Supervised a team of 3 doctorate students that led discussion sections for 200+ students in Econometrics Labs.

TECHNICAL SKILLS

Languages : Python, R, SQL (MySQL, PostgreSQL), MATLAB, HTML/CSS

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, Reinforcement Learning, Time-Series Analysis, A/B Testing

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