

# Haydar Evren

✉ haydaremin@gmail.com | ☎ 857-253-8444 | 🌐 haydarevren.com | 💼 haydar-evren | 📍 Cambridge, MA

## EDUCATION

### Boston College

*Ph.D. in Economics*

Chestnut Hill, MA

Aug. 2022 (Expected)

- **Primary Instructor:** Big Data Econometrics (Graduate Level), Machine Learning for Economics

### 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 30GB 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 search engine 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.
- Designed and led 6 classes for over 200 students; received Donald J. White Teaching Excellence Award.
- Lectured students to apply machine learning and statistical models to produce relevant insights using R and Python.
- Presented research papers at 9 national and departmental seminars to audiences ranging from 10 to 30+ people.

## TECHNICAL SKILLS

**Languages :** Python, R, SQL, HTML/CSS

**Framework/Tools :** Scikit-Learn, PyTorch, TensorFlow, PySpark, 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

- Dean of Summer Session Teaching Fellowship Award from Boston College, 2022
- 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