

Dr. Cinar Baymul

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SUMMARY

Data Scientist, Data Engineer, Economist, and Operations and Strategy Executive, with a PhD from the University of Oxford and over 10 years of experience in leadership, data analysis and modelling.

SKILLS

Python, R, SQL, Leadership, Project Management, Scaling Organisations, Stata, Machine Learning, Deep Learning, Sagemaker, Tableau, Quicksight, Microsoft Power BI, AWS, GCP, Microsoft Office, Web Development, SAP

EXPERIENCE

VP of Business Operations, Data and Game Economy

April 2022 – August 2022

Director of Data and Game Economy

August 2021 – March 2022

Head of Data Science

August 2020 – July 2021

Data Scientist

July 2019 – July 2020

DREST

London, UK

- Built and lead a 7 people BI and data science team at DREST, a mobile gaming start-up, from the ground up.
- Defined and built the data science tech stack.
- Brought in product insight on retention and monetisation by modelling big data, designing A/B tests and leading playtest sessions.
- Played a leading role in various projects, including design of the in game economy and game mechanics. Doubled LTV within 3 months of taking charge of the game economy.
- Built the analytical data pipelines using Python, SQL, Airflow and AWS Glue.
- As a member of the leadership team, played an executive role in the company, and participated in fundraising efforts, and helped raise a substantial investment round.

Data Scientist

Stericycle

September 2018 - June 2019, Exeter, UK

- Created an automated pricing model based on estimating travel and service times using various machine learning algorithms. Increased accuracy of cost calculation while reducing the processing time of pricing requests from a week to seconds.
- Built an automatically generated interactive dashboard product which helps visualise the output from the pricing model for all users.
- Automated the commission calculation and payment process using Python.

Data Scientist

Baymul Economic Consulting (Freelance)

November 2017 - September 2018, UK

- Prepared various data science portfolio projects to show case machine learning and data visualization skills using Python, Tableau and R.
- Completed an end-to-end customer churn prediction with SVM algorithm, from acquiring data through SQL queries, to machine learning model automation for an online food delivery start-up.
- Completed a user churn and cohort prediction project using kNN, XGBoost and Decision Trees algorithms for Gram Games, a major mobile gaming company.
- Prepared interactive data visualisation dashboards for a UN organisation's major data showcase project.

Post-Doc Research Associate

University of Manchester

February 2017 - October 2017, Manchester, UK

- Conducted econometric and statistical research on the relationship between income inequality and structural transformation using regression models.
- Presented work at the Department for International Development of the British Government.
- Prepared informative maps using ggplot.

Consultant

UNU-WIDER

August 2015 – June 2017, Helsinki, Finland

- Compiled a dataset of more than 9000 observations from hundreds of sources through scraping and data mining.
- Developed the regression algorithm to standardise Gini coefficients.

EDUCATION

DPhil in International Development (Economics)

University of Oxford • UK • 2017

MSc in Development Economics and Policy (Distinction)

University of Manchester • UK • 2011

BSc in Economics

Universite de Strasbourg • France • 2010

PROJECTS

McKinsey PhD Insight Programme

- Attended a 3 day training workshop organised by McKinsey for successful PhDs in the UK to train them for a future career in business consulting.

Academic Publishing

- Co-authored 2 economic articles, one in Journal of Development Studies and the other in Asian Development Review.

Author @ Towards Data Science

- Published an article on inequality in English Premier League teams and their success.

Sobermag.com

- Founded an online Indie music magazine in the winter of 2007, which evolved to be one of the most successful music website in Turkey.

COURSEWORK

Economics of Blockchain and Digital Assets

Wharton Online • 2022

Ongoing coursework – to be completed in August 2022

Deep Learning Nanodegree

Udacity • <https://confirm.udacity.com/R6AS7ME4> • 2020

Course on building CNN, RNN and GAN models with PyTorch.

Machine Learning Engineer

Udacity • 2020

Course on using AWS Sagemaker to train and deploy machine learning models at scale.

Executive Data Science Specialization

Coursera • 2021

Successfully completed course on building and managing a data science team.

INVOLVEMENT

Student President

St Cross College • University of Oxford • June 2014 - June 2015

- Elected as Student President to the largest graduate student body at Oxford.
- Represented members of the Student Common Room in various college and university wide meetings.
- Successfully implemented college suppers for the first time in college history, against the opposition from the college administration.

Treasurer of the Common Room

St Cross College • University of Oxford • June 2013 - June 2014