Berkan Teber

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COURSEWORK

MATHEMATICS
Calculus I / II
Linear Algebra
Discrete Mathematics
Introduction to Probability
Statistical Modelling

COMPUTER SCIENCE
Introduction to Computing
Advanced Programming
Introduction to Data Science
Data Structures
Algorithms
Formal Lang. and Automata Theory
Programming Languages
Database Systems
Operating Systems
Software Engineering
Mobile Computing *
Logic in Computer Science
Artificial Intelligence
Parallel Computing
Cryptography
Machine Learning

ECONOMICS
Games and Strategies
Introduction to Macroeconomics
Introduction to Microeconomics
Econometrics
Game Theory
Public Economics *
Industrial Organization
Financial Institutions and Markets *
Advanced Microeconomics
Economics of the Welfare State
Advanced Microeconomic Theory I

* Currently taking in Spring 2018.

PROGRAMMING

PROFICIENT
Python • C++ • Clingo
FAMILIAR
Javascript • PHP • HTML
DATABASE
MongoDB • MySQL
OTHER
UNIX • Git • LaTeX

EDUCATION

SABANCI UNIVERSITY
B.S., Computer Science and Engineering & B.A., Economics
Sep 2014 - Jan 2019 (Expected) | Istanbul, Turkey
GPA: 3.70 / 4
- Merit-based full scholarship (ranked 1945th out of 2 million in national exam)
- Teaching assistant in CS 305 (Programming Languages) in Spring 2017
- Research project with Esra Erdem about solving matching problems using answer set programming

BAHCESEHIR HIGH SCHOOL FOR SCIENCE AND TECHNOLOGY
Sep 2009 - Jun 2014 | Istanbul, Turkey
GPA: 89.49 / 100
- Merit-based full scholarship (ranked 73rd out of 1 million in national exam)
- National olympiads in informatics (passed 1st phase exam)

EXPERIENCE

CODELA | Software Engineering Intern
Jan 2017 – Present | Istanbul, Turkey
Codela is a company helping companies to hire the best software developers and helping candidates to improve their technical skills with solving coding challenges.
I help Codela to grow its content by tagging, curating and solving interview questions. At the same time, to get familiarize with the technologies behind Codela, I complete various small-scale tasks.

SABANCI UNIVERSITY | Research Intern
Jun 2017 – Aug 2017 | Istanbul, Turkey
We have analyzed the competitive equilibrium in an overlapping generations model and formulated a problem of endogenous dynamic price determination in the same model with Mehmet Barlo from Economics department in Sabancı University.

PROJECTS

GRADUATION PROJECT
Sep 2017 - Present | Istanbul, Turkey
In this project, we analyze the paper-citation network with Random Walk based algorithms. As a result, we expect to evaluate papers and authors better than current methods (e.g. citation count, h-index). In addition, we plan to make these evaluations in a field based manner. Therefore, in the end, we also expect to have a better understanding about different fields and to identify promising fields based on this understanding.

INTRODUCTION TO DATA SCIENCE COURSE PROJECT
Feb 2017 - June 2017 | Istanbul, Turkey
In this project, I have analyzed the effects of education in macro scale, and the factors affecting education in micro scale. For this purpose, I have constructed different machine learning models (linear regression, decision tree, logistic regression, SVM) using Python and several machine learning libraries (pandas, numpy, scikit-learn).

You can learn more about the projects above or more on my GitHub page.