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
Logic in Computer Science
Artificial Intelligence
Parallel Computing
Cryptography
Machine Learning

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

SKILLS

PROGRAMMING

PROFICIENT
C • C++ • Python
FAMILIAR
PHP • MySQL • HTML • Git • UNIX

LANGUAGES

NATIVE
Turkish
ADVANCED
English

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
- Teaching Assistant in CS 305 (Programming Languages) course in Spring 2017
- Research about solving matching problems with answer set programming

BAHCESEHIR HIGH SCHOOL FOR SCIENCE AND TECHNOLOGY
Sep 2009 - Jun 2014 | Istanbul, Turkey
GPA: 89.49 / 100
- Merit-based full scholarship
- National Olympiads in Informatics

EXPERIENCE

SABANCI UNIVERSITY | Research Intern
Jun 2017 – Aug 2017 | Istanbul, Turkey
We've analyzed the competitive equilibrium in 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 - June 2018 | 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). We also expect to have a better understanding about different fields and to identify promising fields based on this understanding.

SOFTWARE ENGINEERING COURSE PROJECT
Feb 2017 - June 2017 | Istanbul, Turkey
In this project, as a group of 4, we have developed a course management system using PHP and MySQL.

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 using Python.

More information about the above projects and more are available on my GitHub.

ACHIEVEMENTS

2014	1945th / 2 million	Turkish National University Entrance Exam
2011	Passed 1st Exam	Turkish National Olympiads in Informatics
2009	73rd / 1 million	Turkish National High School Entrance Exam