

# Berkan Teber

berkanteber.me

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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 1945<sup>th</sup> 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 73<sup>rd</sup> out of 1 million in national exam)
- National olympiads in informatics (passed 1<sup>st</sup> 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 lots of 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 trees, logistic regression, SVMs) 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.