

Baturalp YALÇIN

E-Mail: baturalp_yalcin@berkeley.edu

EDUCATION

UC Berkeley, College of Engineering <i>Ph.D. in Industrial Engineering and Operations Research</i>	Berkeley/CA 08/2020-Current
Bogazici University, Engineering Faculty <i>B.S. in Industrial Engineering (GPA: 4.0/4.0) – Ranked 1/71</i> <i>Economics, Minor Degree (GPA: 4.0/4.0)</i>	Istanbul/Turkey 09/2016-06/2020 09/2017-06/2020
Columbia University, School of Engineering and Applied Sciences (SEAS) <i>Exchange Student, Industrial Engineering and Operations Research (4.12/4.00)</i>	New York/NY 08/2018-12/2018

ACADEMIC EXPERIENCE

Research Assistant <i>Bogazici University, Industrial Engineering Department</i>	Istanbul/Turkey 02/2019-06/2019
<ul style="list-style-type: none">• Made research and literature review with Prof. Baydogan about time series classification problems.• Debugged some Python codes from the previous work and brought the codes into the legible form.• Applied our fast and accurate algorithm on 20 different datasets and compared our algorithm with the other algorithms.	
Student Assistant <i>Bogazici University, Industrial Engineering & Economics Departments</i>	Istanbul/Turkey 02/2019-06/2019
<ul style="list-style-type: none">• IE 202 – Operations Research I – Graded quiz papers and held objection hours.• IE 341 – Engineering Economics I – Graded quiz papers and held objection hours.• EC 205 – Intermediate Macroeconomics - Held recitation hours for Economics students for every week.• IE 310 – Operations Research for CS – Graded programming assignments.	
Research Assistant <i>Columbia University, Columbia College</i>	New York/US 08/2018-12/2018
<ul style="list-style-type: none">• Worked with the Bhargav Gopal to investigate the spillover or diffusion effect of new issued carrying gun laws on the other neighboring states and countries.• Made a literature review about the research question and collected the datasets from the authors of the previous articles to understand their approach to their research questions.	

INDUSTRY EXPERIENCE

Strategic Planning & Insights Intern <i>Coca-Cola Company</i>	Istanbul/Turkey 06/2019-11/2019
<ul style="list-style-type: none">• Developed monthly volume forecasting models that are done by statistical regression models for Caucasian & Central Asia countries to understand the momentum before the estimation period.• Estimated and reported volumes for each SKU for the full year by using heuristic methods and reported the volume estimates for all countries in the business unit.• Created a dynamic spreadsheet that shows macroeconomic data for countries within the business unit instead of retrieving these data each week by hand.	
Finance Intern <i>Otokoc Automotive</i>	Istanbul/Turkey 06/2018-07/2018
<ul style="list-style-type: none">• Prepared daily transaction orders and checked the bank accounts to transfer the funds to the company's main account.• Predicted Turkey's inflation rate by using producer price index and benchmark interest rate.• Retrieved the economic data of the 7 countries where Otokoc Otomotiv operates in and embedded these data in the spreadsheet to prepare monthly statements to demonstrate the current macroeconomic aspects of the countries.	

AWARDS & SCHOLARSHIPS

The National Undergraduate Scholarship – *The Scientific and Technological Research Council of Turkey (TUBITAK)*

- Awarded undergraduate scholarship from the official scientific institute in Turkey thanks to the success in the International Olympiads.

High Success Scholarship – *Bogazici University*

- Awarded high success scholarship from my university because of the extraordinary success in the classes.

Gold Medalist - *47th International Chemistry Olympiads (IChO)*

Baku/Azerbaijan – 07/2015

Silver Medalist - *46th International Chemistry Olympiads (IChO)*

Hanoi/Vietnam – 07/2014

EXTRACURRICULAR ACTIVITIES

Founding Member & President

Istanbul/Turkey

Bogazici University American Institute of Chemical Engineers (AIChE)

01/2017-06/2018

- Founded a new society which is a local branch of one of the biggest engineering societies in the world.
- Worked with the Chem-e-Car competition team to design and invent a car that works with the chemical reactions.
- Managed the fundraising activities and found sponsorships to participate in Chem-e-Car competition in the USA.

Water Kayaking Team

New York/US

Columbia University

08/2018-12/2018

SKILLS

Languages:

Turkish (*Native*)

English (*TOEFL ibt: 113*)

German (*Intermediate*)

Programming:

C Programming

C++ Programming

Python

R Programming

MATLAB

ARENA Simulation Software