

# BURAK AYDIN

ba7735@princeton.edu

## EDUCATION

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### Princeton University

Ph.D. in Operations Research and Financial Engineering

Princeton, NJ

Aug 2023 - Present

### Boğaziçi University

B.S. degree in Electrical and Electronics Engineering, High Honors (GPA: 3.90/4.00)  
Minor degree in Economics (GPA: 4.00/4.00)

Istanbul, Turkey

Aug 2019 - Jun 2023

### Kadıköy Anatolian High School

High School Diploma, Valedictorian (Class Rank: 1/333)

Istanbul, Turkey

Sep 2014 - Jun 2019

## EXPERIENCE

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### Boğaziçi University - Photonics and Optical Wireless Communication Laboratory

Undergraduate Research Assistant

Istanbul, Turkey

Sep 2022 - Jun 2023

- Senior design project on Vehicle-to-Vehicle Communication, focusing on field-of-view limitations on curvy roads.
- Worked on hardware and software aspects for the project, used MATLAB for modeling.

### Max Planck Institute for Intelligent Systems

Undergraduate Research Intern at Physical Intelligence Department

Stuttgart, Germany

Jul 2022 - Sep 2022

- Utilized Python and Robot Operating System in order to construct a closed-loop controller with visual feedback, ran systematic experiments.
- Employed Machine Learning tools to achieve real-time data processing and decision making for robot motion.

### Kusto Group Singapore - KGM Energy

Energy Operations Intern

Istanbul, Turkey

Jan 2022 - Feb 2022

- Developed company decisions regarding production, distribution and sales of electrical energy in Turkey. Worked on electricity market structure and price setting.

### Boğaziçi University Electrotechnology Club - IEEE Student Branch

Coordinator and Active Member

Istanbul, Turkey

Sep 2019 - Jun 2022

- Co-led the event organization committee to connect 100 university students with executives from various fields & internship opportunities, and to hold regular meetings.
- Organization team member in Leading Women in Science and Technology Summit, Boğaziçi Energy Summit.

## ACHIEVEMENTS AND SCHOLARSHIPS

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**6th place in Turkish University Entrance Exam 2019:** Among 2.528.031 test takers, 6th place in Quantitative, 1st in English Language section.

**Turkish Presidential Outstanding Success Scholarship:** Recipient of financial scholarship for duration of undergraduate degree.

**Boğaziçi University Outstanding Success Scholarship:** Recipient for duration of excellent academic standing: covers general room, board and book expenses.

**Türkiye İş Bankası Golden Youth Award:** Awarded for distinguished success in Turkish University Entrance Exam by İşbank, the largest Turkish private bank.

## SKILLS AND INTERESTS

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**Programming Languages:** Python, C/C++, MATLAB, VHDL.

**Computer Programs and Tools:** Robot Operating System, SPICE, Xilinx ISE, Cadence.

**Languages:** Turkish (native), English (full proficiency), Spanish (intermediate), German (intermediate), Greek (beginner).

**Interests:** traveling, listening to music, tango.

## ADDITIONAL COURSEWORK

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**Yale University:** Moral Foundations of Politics.

**Rice University:** Relationship Management.

**Rice University:** Self Awareness and the Effective Leader.

**University of California - Irvine:** The Power of Macroeconomics, Economic Principles in the Real World.