

# OGUZ PAKSOY

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## EDUCATION

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**Istanbul Technical University, Istanbul**

September 2015 - June 2019

Bachelor of Science, Computer Engineering

Cumulative GPA: 3.90/4.00

Faculty of Computer and Informatics

(Rank: 1st in the department and faculty, 3rd in the university)

## ACADEMIC ACHIEVEMENTS

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MobiWis2019 Conference Paper: “A Survey on Blockchain Awareness Among Students” (Approval received).

Graduated as the highest ranking student in the Faculty of Computer and Informatics in Istanbul Technical University.

4 years (8 academic terms) in Istanbul Technical University’s High Honor List.

## WORK EXPERIENCE

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**Dcipher Analytics Turkey, Istanbul**

June 18th, 2019 - Present

Junior Data Scientist

- Developed and integrated sentiment analysis from text using open-source libraries.
- Implemented many performance fixes on a Apache Spark-based platform.
- Implemented a measure that finds relevant terms which are specifically important in a given subset of documents.

**HAVELSAN, Istanbul**

August 1st, 2018 - September 11th, 2018

Software Intern

- Worked in a classified project involving performance tests, saving valuable development time for the company.

**Telpa Telecommunication, Istanbul**

June 22nd, 2017 - July 28th, 2017

Android Software Development Intern

- Small applications which demonstrate the uses of popular libraries like Dagger 2 and Retrofit, as well as popular software architectures like MVC, MVP and MVVM were developed using Java 7.

## TECHNICAL STRENGTHS

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### Computer Vision & Signal Processing

- Formal training on basic and advanced manual image processing techniques.
- Conducted a graduation project involving the extraction of features from face images and sounds of people.

### Natural Language Processing

- Able to utilize neural networks for various tasks including sentiment analysis.
- Able to calculate several metrics to filter relevant data in documents.
- Able to use many document and word vectorization methods.

## Data Mining

- Entered a Kaggle contest with 29 groups for a data clearing and prediction project, outperformed reference paper, came 5th.
- Able to use programming tools to visualize data and processing results.

## Software Engineering Skills

- Formal training on the object oriented programming paradigm.
- Done several voluntary projects for an online gaming community using Java and SQLite.
- Used popular software engineering architectures and libraries during the Android Development internship.
- Wrote automated testing scripts for a software project.
- Able to incorporate functional programming techniques for safer and more maintainable code.

## Web Development

- Formal training on socket programming with Python.
- Developed a web server with a team using PostgreSQL and Flask.
- Conducted a software project using Google Firebase filestores.
- Developed Remote Procedure Call clients, name servers, and file servers as a mock remote file system architecture.

## Data Structures & Algorithms

- Able to express algorithmic ideas in a multitude of languages such as C, C++ and Python.
- Entered several online algorithm contests such as ITU Yazilim Maratonu and CS50 Programming Contest.

## Programming Languages & Operating Systems

- Development experience with Java and Python.
- Experience with JavaScript, C, C++, MATLAB, Haskell.
- Able to operate in Windows OS, Ubuntu OS and Mac OS.

## AWARDS & CERTIFICATES

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Nominated as a Principal Finalist for Fulbright Master's Scholarship.

Korea Advanced Institute for Science and Technology (KAIST) EE Camp 2017 Participation.

CS50 Programming Contest 2016 1st Place Certificate.

Philosophers Association (Turkey) Dusunyaz Contest 2015 Final Certificate of Participation.

Yildiz Technical University BEST Engineering Contest 2015 2nd Place Certificate.

Kadikoy Anatolian High School Model United Nations 2014 Certificate of Participation.

Istanbul International Model United Nations 2014 Certificate of Participation.

## LANGUAGES

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**Turkish**

Native

**English**

Advanced

TOEFL iBT Overall Score: 116/120

Listening: 29, Reading: 30, Writing: 30, Speaking: 27