



DEFNE TUNÇER

Ankara, TURKEY

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[GitHub](#)

[LinkedIn](#)

[Portfolio](#)

EDUCATION

Hacettepe University
B.S. Computer Science

FALL 2016 - JUNE 2020
GPA: 3.67 / 4 (top 10%)

PROJECTS AND COURSES

Senior Design Project | Developed a mispronunciation detection system with a team of two. System is trained and tested on the dataset for English language learners with Turkish accent and reached an F1-score of 94%.

FALL 2019
Speech signal processing, Machine learning, Python, Jupyter Notebook, sci-kit learn, librosa
Web application is developed using Flask, JS, HTML, CSS.

Computer Graphics | Created a web game experience using WebGL.

Three.js, ammo.js, JS HTML, CSS

Software Engineering | Worked as a full-stack developer to develop an e-commerce web application with a team of five.

SPRING 2019
Java, Spring Boot, MySql, Thymeleaf, HTML, CSS, JS

Embedded Systems | Developed applications on ARM Cortex M microprocessor with a team of two.

Programmed in C using Keil IDE.

Machine Learning | Predicted the genres of music tracks from audio features and tested the performances of different machine learning methods with a team of two.

FALL 2018
Python, Jupyter Notebook, speech signal processing, scikit-learn, librosa

Poster presented at the 27th Signal Processing and Communications Applications Conference (SIU), Sivas, 2019. Tunçer D, Barçın K, Bölücü N, Erdem A. Music Genre Recognition with Machine Learning.

EXPERIENCE

University of Maryland, College of Information Studies, College Park, USA
Human-Computer Interaction Lab Intern

JULY 2019 - SEPTEMBER 2019

Designed a prototype self monitoring feedback system in order to improve upper limb activity on stroke patients using finger-worn accelerator data.

Developed a web page using Google Fit REST API to enable users to visualize their personal fit data.

Data visualizations are done by D3.js and Tableau.

Advisor: Eun Kyoung Choe

Google Student Retreat, London, UK

JULY 2019 - AUGUST 2019

Invited to an event of 3 days as being one of the top 25 competitors in coding competition KickStart among GetAhead participants.

GetAhead is an invite-only 8 weeks of virtual technical training program with 450 students from EMEA.

TUBITAK, Software Technologies Research Institute, Ankara, TURKEY

Software Engineering Intern

JUNE 2018 - AUGUST 2018

Developed a cross-platform mobile chat application using C# with Xamarin, Firebase and Google REST API.

SKILLS

CONCEPTS: Algorithms, Data Structures, Object Oriented Programming

PROGRAMMING: Java, Python, C/C++, HTML/CSS, Javascript, C#

ADDITIONAL SKILLS: Adobe Photoshop, Unity, WebGL, Tableau

INTERESTS: Frontend and Backend web/mobile application/game development, Machine Learning, VR, AR, User Interface and User Experience Design, Graphic Design, Data Visualization, IoT

HOBBIES

Competitive programming
Design and illustration
Gaming, origami, sculpting

LANGUAGES

Turkish, Native
English, Advanced
German, Beginner