

BORA ELCI
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EDUCATION

Columbia University, School of Engineering and Applied Science

New York, NY

Bachelor of Science in Computer Science

Expected May 2023

Relevant Coursework: Honors Data Structures and Algorithms, Computing in Python for Engineers/Scientists,

Honors Object-Oriented Programming and Design in Java, Fundamentals of Computer Systems, Discrete Mathematics

WORK EXPERIENCE

Futurist AI

New York, NY

Natural Language Processing Intern

September 2020 – Present

- Applied NLP in Python for sentiment analysis on customer product reviews gathered using web scraping tools
- Deployed web application in Django and JavaScript to derive business intelligence from customer preferences

Related Digital, Dogus Group

Istanbul, Turkey

Software Developer Intern

July 2020 – September 2020

- Developed real-time reporting feature of Marketing Automation Platform used by 1500+ companies in .NET and C#
- Created a microservice that implements data transfer over RabbitMQ to reporting environment in Amazon Redshift
- Incorporated data visualization tools in Power BI to create interactive reports that provide client-focused insights

Aplimax Software and Consulting Services

Istanbul, Turkey

Machine Learning Intern

May 2020 – June 2020

- Designed convolutional neural network (CNN) using TensorFlow for crack detection on smartphone screens
- Trained the model on custom dataset and achieved 90% accuracy in multi-label Image Classification
- Gathered ten thousand images using web scraping tools with Python and labeled the dataset for Supervised Learning

Istanbul Technical University, Medical Electronics Laboratory

Istanbul, Turkey

Research Intern

December 2017 – September 2018

- Classified electrocardiography signals using Deep Learning and CNNs for identifying heart arrhythmia in patients
- Formed datasets by transforming records of MIT-BIH arrhythmia database into 2D images in Python using OpenCV
- Optimized performance by testing loss functions and metrics to improve accuracy leading to 99% success rate
- Acknowledged in research article accepted to the journal of Neural Computing and Applications

People in Action IT Business Solutions

Istanbul, Turkey

Software Developer Intern

August 2017 – August 2017

- Assisted in application development and user interface design using Android Studio in Java
- Utilized Agile principles at project planning meetings regarding software developed for telecommunications operator
- Carried out unit and integration tests providing performance reports with improvement procedures

PROJECTS

StudyMates, Social Website for Studying

February 2020 – Present

- Built ASP.NET application with MVC architecture and MySQL database that brings together friends for studying
- Completed basic prototype under 48 hours with a team of three at DevFest'20 Hackathon at Columbia University

Car Rental Management Software

March 2019 – June 2019

- Created web application for managing rental records using Google Firebase in JavaScript with Node.js
- Targeted and sold product to a small business car rental agency by leveraging app's user-friendly interface

Pay & Eat, Mobile Payment Application

March 2018 – February 2019

- Developed mobile application in Java to implement QR code payments in my high school's dining hall
- Conducted business meetings with Parametric Software Solutions and catering firm Scolarest for integration

SKILLS

- *Public Relations Manager at Columbia Turkish Students Association* February 2020 – Present
- *Ballet and Jazz Dancer at Tan Sagturk Academy* September 2004 – June 2019

Computer: Java, Python, Django, C#, .NET, Scala, Git, TensorFlow, JavaScript, Node.js, Firebase, SQL, HTML, CSS

Languages: Native Turkish, Proficient German and Esperanto