

# Tahir Tekizbaş

## Software Engineer

I am a motivated and open-minded junior software developer, who seeks to become a T-Shaped professional. While striving to refine my skills in software, I have also developed a wider interest in data science and finance. Looking to start a career in which I can fully utilize my knowledge and expertise to make valuable contributions towards society.

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## EDUCATION

### University of Manchester

#### BEng (Hons) Electrical and Electronics Engineering 69.7

09/2016 – 06/2019

Manchester, United Kingdom

Courses, Projects and Dissertation

- Important Courses: Data Networking, Digital Signal Processing, Embedded Systems, Computer Systems Architecture, Control Systems, Electronic Circuit Design, C Programming.
- Group Project: Created a line following robot using a 32-bit ARM-Cortex microcontroller. Our design made it into the finals among 42 other projects.
- Dissertation: User Pairing Techniques for Non-Orthogonal Multiple Access in 5G networks.

## WORK EXPERIENCE

### Software Engineer

#### Siemens Mobility

07/2019 – Present

Ashby-de-la-Zouch, England

Achievements/Tasks

- I am currently working as a software engineer for the Cross-Rail Project. My main responsibilities are optimization and maintenance of the Database. I perform database and front-end bug fixes.
- Wrote an automated testing program to test the alarm descriptions in the Scada system using .NET / C#.
- Created database triggers for customer information systems which allow the SCADA operator to see and update the train times. Also created new navigation icons and their linkage to the database, which drastically improved the software usability.

### Software Engineer

#### BSquare Controls

07/2019 – Present

Manchester, England

Achievements/Tasks

- In parallel with my work on the Cross-Rail project in Siemens, I am involved in developing a new light control SCADA system for the Tyne Tunnel in Newcastle.
- Created an OPC DA Server program which converts Modbus protocol to OPC. Also created a mobile app using Panorama SCADA Software, which helps operators remotely control lighting systems using their mobile phones.

### Summer Intern

#### Turkish Aerospace Industries (TAI)

06/2018 – 07/2018

Ankara, Turkey

Achievements/Tasks

- Worked in the Space Systems Assembly, Integration and Test (AIT) department. I directly participated in the TURKSAT 6A communication satellite project and worked with ground control and electromagnetic compatibility test divisions.
- Attended different trainings including Spacecraft Antenna Range Test and Spacecraft Assembly and Integration Planning. I gained basic knowledge about satellite communication and overall satellite structure. I wrote a report about what I have learned in my internship and presented it to my supervisors.

## TECHNICAL SKILLS

### Main Programming Skills

C#, .NET, ASP.NET MVC, T-SQL, Microsoft SQL Server, Java Script (jQuery), HTML, CSS (Bootstrap), Git

### Data Analysis

Python (Pandas, NumPy, Scikit, Matplotlib), Jupyter Notebooks, IBM Cloud, Db2 SQL, Excel VBA

### Signal Analysis

MATLAB/Simulink, LabVIEW

## PERSONAL PROJECTS

### Predicting Istanbul's House Prices Using Data Science

Developing a web scrapper tool to collect house price data from Turkey's biggest online marketing site. (sahibinden.com) Using data science techniques and financial knowledge that I acquired to forecast house prices.

### Siemens Challenge (MindSphere)

Represented the University of Manchester in an engineering challenge. Worked in a multi-disciplined team to analyze a set of data collected from sensors inside a building and built an electrical/mechanical device which was later showcased to judges. Used Raspberry Pi and programmed it using Python.

## CERTIFICATES

IBM Professional Data Science (Coursera) (04/2020 – Present)

Machine Learning with Python (Coursera) (04/2020 – Present)

Yale, Financial Markets (Coursera) (06/2020 – Present)

## HONOR AWARDS

### Outstanding Academic Achievement Award

University of Manchester

- Received £2000 for my A-Level Results.
- Mathematics (96), Further Mathematics (98), Physics (86)

## LANGUAGES

English

Full Professional Proficiency

Turkish

Native or Bilingual Proficiency

## INTERESTS

Drums

Tennis

Skiing

Sky Diving

Football

## REFERENCES

References Available on Request