

## Education

### Uppsala University

Computer Science & Engineering Erasmus Exchange

August 2021- January 2022 / Sweden, Uppsala

### Sabanci University

Bachelors in Mechatronics Engineering  
Double Major in Computer Science & Engineering  
Minor in Energy

June 2021 (CGPA 3.13/4)  
Expected June 2022/ Istanbul, Turkey  
Expected June 2022/ Istanbul, Turkey

## Work Experience

### Corporation 9

November 2021 – January 2022 / London , UK

Innovation, Technology & Research Company  
Part-Time / Remote

- Research & Development project with University of Leeds for an Industrial IoT application solution.
- Worked with C language and ESP32 microcontroller.

### Yongatek

July – September 2020 / Teknopark Istanbul, Turkey

Microelectronics Research & Development Company

- Research & Development project for developing a commercial product that will be used for an Industrial IoT application.
- Communication methods such as Bluetooth Low Energy and SPI are combined with variety of development cards including Nordic BLE Dev. Kit, Orange Pi, Stm32 and E-paper module.
- Using C programming language, an existing driver library that was written for Keil Embedded Studio (Stm32) was modified and implemented to a different platform called SEGGER Embedded studio (Nordic Dev. Kit).
- Python language and BLEAK bluetooth libraries are used within a Linux based system for cross platform communication.

### Sabanci University

January - June 2019 / Istanbul, Turkey

ENS 209, Introduction to Computer Aided Drafting and Solid Modelling  
Learning Asistant

- Helped ENS 209 course students on how to use Solidworks software for sketch drawing, creating solid parts using various tools, assembling parts and drawing technical parts from different views.

### Sunexpress

January -February 2019 / Antalya, Turkey

Airways Corporation  
Internship

## Projects

### Personal Project

IOS Application Development

March – Present 2020

### Sabancı University / ME 308

February - July 2019/ Istanbul, Turkey

Industrial Control Course Project

- Solved given two problems using Siemens PLC Ladder Programming and Beckhoff Industrial PC.
- Worked with Pneumatic pistons & drivers, relays, PLC Modules and components, Conveyor & chain belts, Inputs such as push buttons and optical/metal sensors.
- Worked in Mechatronics Laboratory and used variety of power and measuring tools.

### Sabancı University / PROJ 102

September-December 2017/ Istanbul, Turkey

Project with professors

- Designed & built an autonomous robot combining Arduino and Raspberry Pi microcontrollers with a single camera.
- Worked on Computer Vision (OpenCV), Serial Communication, Time to Collision methods.
- Prepared introduction and Final reports. Poster design placed in top three.

## Volunteer Work

## Work and Travel Program

Chula Vista Resort  
Highgate / Split Rock Resort

June-September 2019 / Wisconsin Dells, WI, USA  
June-September 2018 / Lake Harmony, PA, USA

- Worked in different jobs such as a Server, Bowling & Fitness Desk attendant, Lifeguard and Housekeeping.
- Worked as a team with variety of people from different countries while discovering their cultures.
- Improved English and interpersonal communication skills.

## Civic Involvement Project (CIP)

January- June 2017/ Istanbul, Turkey

- Protected and cured abandoned animals and worked for raising awareness about animal rights.

## Skills

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### Language:

Turkish (Native), English (C1 Level - IELTS 7.0/9.0), Swedish (Beginner).

### Computer:

C++ / C / Python / Swift / MATLAB & Simulink / Ladder Programming / Linux terminal / Solidworks (CAD-CAE) / Siemens PLC / Beckhoff Industrial PC / Arduino / Raspberry Pi / Stm32 / Nordic Nrf52 BLE / Esp32