

# Utku Olcar

Mechatronics & Robotics Engineer



## Contact

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## Profile

Ambitious, Self-Motivated,  
Solution-Oriented, Determined,  
Inspirational, Quick-Learner

## Skills

Robotic Design & 3D Modeling



Robotic Calculations & Math Modeling



Robotic Operating System (ROS)



Embedded System Programming



PCB Design



IoT, Device Solutions



Game & Physics Engine Programming



GUI (Linux, Windows) & AR/VR App.



## Summary

Robotics and Control Systems were the main subjects that I have researched. Autonomous robots have always been my area of interest and I try to implement their applications by constantly following new technologies.

I am working as a profit partner and lead the development team. I designed and developed mechatronics projects in line with client demands. I had a remarkable role in our rapid growth as a business partner of the company I work for. I desire to continue my career in the mechatronics & robotics software domain and use my abilities to develop new autonomous projects.

Being a solution-oriented and self-motivated person, I am never afraid to take responsibility to move the company forward.

## Experience

Partner of Firm (July 2018- Present) - Hisseli Harikalar Fabrikası  
**Istanbul, Turkey**

R&D Team Lead (February 2017- June 2018) - Hisseli Harikalar Fabrikası  
**Istanbul, Turkey**

Intern Robotics Software Engineer (Long-Term) (June 2015- September 2015) - SANLAB Simulation  
**Istanbul, Turkey**

Intern Assembly Engineer (July 2014- August 2014) - Bosch Rexroth  
**Bursa, Turkey**

## Education

**Mechatronics Engineering (2011-2016) - Bahcesehir University**  
**Istanbul, Turkey**

**Çanakkale Science Highschool (2007-2011)**  
**Çanakkale, Turkey**

## Certification

Project Management Certification PMI approved (November 2020)  
**Istanbul Institute**

Microsoft Software Developer (.NET) (August 2015)  
**Bilgeadam**

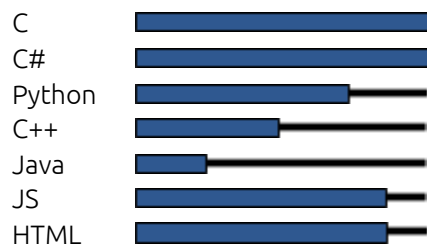
ROS Simulating SLAM and Autonomous Driving a Robot (2020)  
**Udemy**

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## Technical

### Programming Languages



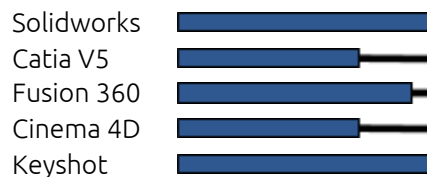
### Programming Softwares

MS Visual Studio	MikroC
Unity3D	Arduino Ide
MATLAB	B&R Automation
VS Code	Studio
Idle	

### Simulation Platforms

V-Rep Simulation	GAZEBO
rViz	

### 3D Drawing & Render



### PCB Design

Altium Designer	Proteus
Fritzing	

### Social

Snowboard	Rollerblade
Rock climbing	Ice-Skating
Playing Guitar	Travelling
Swimming	Baja Rally Co-pilot
Waterpolo	

## Honors & Awards

Eclipse Open IoT Challenge Runner-up (April 2015) **Ottawa, Canada**  
**IoNeeds (Internet of Needs) Project**

First Place of Intel ITC IoT Hackathon (December 2014) **Istanbul, Turkey**  
**IoNeeds (Internet of Needs) Project**

Third Place of FreeStyle Category (October 2014) **IYTE Iztech Roboleague'14**  
**Whole Body Teleoperation of Humanoid Robot**

First Place of 9th Projistor Tech. Project Competition (May 2014) **Istanbul, Turkey**  
**Whole Body Teleoperation of Humanoid Robot**

Third Place of FreeStyle Category (April 2014) **Konya Mevlana University**  
**Whole Body Teleoperation of Humanoid Robot**

Third Place of FreeStyle Cat. (March 2014) **11th International METU Robotic Days**  
**Whole Body Teleoperation of Humanoid Robot**

Second Place of FreeStyle Cat. (March 2014) **YTU Star-Wars Robotics Competition**  
**Whole Body Teleoperation of Humanoid Robot**

Third Place of Garbage Collector Cat. (October 2013) **IYTE Iztech Roboleague'13**  
**Whole Body Teleoperation of Humanoid Robot**

## Projects

Whole Body Teleoperation of Humanoid Robot (November 2017) - [Blog Page URL](#)

Obstacle Avoidance - Kuka Iiwa Arm Project (February 2017) - [Blog Page URL](#)

IoNeeds (Internet of Needs) open IoT Project (April 2015) - [Blog Page URL](#)

Teleoperation of Giant Robotic Hand (December 2019) - [Blog Page URL](#)

Fully Autonomous Garbage Collector Robot Project (March 2014) - [Blog Page URL](#)

Aquabooth - Underwater Photo Robot Project (August 2016) - [Blog Page URL](#)

## Volunteer

**Chairman of BAU Mechatronics Club (IEEE-RAS)**  
(December 2013 - June 2015) - **Bahcesehir University**  
**Istanbul, Turkey**

**Erasmus Programme**  
(September 2015 - February 2016) - **University of Bielsko-Biata**  
**Bielsko-Biata, Poland**

**Sexual Equality and Human Rights (Youth Project)**  
(July 2010) - **Sevilla En Acci3n Youth Club**  
**Sevilla, Spain**