Burak HOCAOĞLU

ODTÜ Bilgisayar Mühendisliği 4. sınıf

(506) 142-0785

burak-hocaoglu@hotmail.com

PERSONAL INFO

E-mail (1) : burak-hocaoglu@hotmail.com (preferred)

E-mail (2) : e2035988@ceng.metu.edu.tr

Age : 22 (December 13th, 1995)

Gender : Male

Phone : 0506 142 07 85

SKILLS

- C/C++ & Python - academic purposes and hobbies
- Linux (Ubuntu) - preferred OS for development tasks
- Assembly / Verilog / Haskell / Prolog - used for academic purposes
- Java - medium knowledge
- HTML / CSS / Javascript / jQuery - basic level
- SQL (MySQL and SQLite) - academic purposes
- Robot Operating System (ROS) with Gazebo simulation tool

EXPERIENCE

AgenaIDT, Teknopark Istanbul - *Software Developer Intern*

JULY 18th 2016 - SEPTEMBER 3rd 2016

- Used C# and C++ to develop GUI and improve data transfer between different GUI; Visual Studio to debug a modelling and simulation software written based on .NET framework
- Object Oriented Programming and Multithreading concepts were involved
- Volunteered for development of an RPC-like remote simulator control (involving TCP, UDP, basic socket programming) but failed due to lack of experience
- 30 work days in total

KOVAN Research Lab., TSK MODSIMMER, METU - *Software Developer Intern*

JULY 3rd 2017 - AUGUST 25th 2017

- Used C++ and Python with Robot Operating System (ROS) framework to develop robotics software in simulation
- Basic robot motion, Motion planning, collision avoidance topics were studied during internship
- Robot type interested : Quadcopters / Quadrotors
- 40 work days in total

KOVAN Research Lab., TSK MODSIMMER, METU - *Software Developer*

MARCH 19th 2018 - Ongoing (PART TIME)

- Used C++ and Python with Robot Operating System (ROS) framework to develop robotics software in simulation
- Main Subject areas: Robotic Motion Planning, Swarm Intelligence, Robotic Vision
- Robot type interested : Quadcopters / Quadrotors

EDUCATION

Middle East Technical University (METU), Ankara - *Senior year (4th) student*

SEPTEMBER 2013 - JUNE 2018 (expected)

- **Current CGPA :** 3.51
- Interested in Robotics, Machine Learning
- A novice Competitive Programmer
- Taking German language courses (Currently on A2 level)

AWARDS / CERTIFICATES

- BYOYO 2017 in Hacettepe University - topics involved are Computer Vision, Motion Planning, Deep Learning and Robotics
- ISBAK Yazılım Maratonu 2018 - competitive programming and real-life problem solving
- ToRK 2018 in Bogazici University - topics involved are Robotic Vision and Learning, as well as Robotics in different practice areas, for instance Medicine and Military etc.

APPENDIX

- I usually follow the content of online courses or tutorials on topics that I could not take as a course in university (like Udacity, edx, Coursera, Codecademy or any open tutorials etc.)
- Interested in research of novel methods in Developmental Robotics