

Subhan Naeem

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EDUCATION

- **Middle East Technical University, Ankara** (2011-2016)
BS Mechanical Engineering
- **Middle East Technical University, Ankara** (2012-2016)
Minor in Mechatronics
- **Roots International School, Islamabad** (2009-2011)
A-Levels – Maths (A), Physics (A), Chemistry (B)

EXPERIENCE AND PROJECTS

Home Security and Automation

Group Project | Aug, 2016-Present

- Handling back-end Node.js programming
- Communication between Broker and Clients via MQTT
- Micro-controller (Arduino, NodeMCU, ESP8266) programming
- More information at: www.subhannaeem.com/home_automation

Lab assistant

Mechanical Engineering Department | METU | Jul, 2016 - Sept, 2016

- Worked on a rescue robot being developed by post-graduate Mechanical Engineering students
- Handled camera data between Windows and Ubuntu on the ROS(Robot Operating System)
- Worked on SLAM mapping using camera and Lidar

Smart Barrier System

Final Year Project | METU | Feb, 2016 - Jun, 2016

- Programmed Arduino and ATMEGA chip
- Integrated sensors such as HC-SR04 and rotary encoders
- Added RF relays to control the barrier over large distances

Web Development

Personal Projects | Jun, 2016-Present

- Scheduled Web Scraper
- Twitter Interface using the Twitter API
- Treehouse User Profile Search Engine
- IMDb Movie Search Engine using the OMDB API
- Single Page Tic-Tac-Toe game
- More information at: www.subhannaeem.com/work

Robotics

Personal/Course Projects | Sept, 2012-Present

- Obstacle Avoiding Robot
- Bluetooth Android Robot
- Target-seeking catapult mechanism

KEY SKILLS

- Javascript, C++, jQuery, AJAX, HTML, MQTT, Handlebars, Jade, CSS, Bootstrap
- Node.js, Arduino, Raspberry Pi, Web Sockets, Angular.js, MongoDB
- Gulp, Mocha, Chai, Github, Git, Webpack
- English(Native), Turkish(Intermediate)

ACTIVITIES

Motorcycles (METU Riders) | Classical Guitar (Odtü Klasik Gitar Topluluğu) | Fitness

REFERENCES

A.Buğra Koku - Assistant Professor METU - kbugra@metu.edu.tr