Mohammad Hassan Mojab

Curriculum Vitae

EDUCATION

o **Bachelor of Science**   2014–2019 (Expected)
   Amirkabir University of Technology   *Tehran-Iran*
   – Major: Electrical Engineering (Electronics)   GPA: 17.58/20 via 104 credits
   – Minor: Computer Engineering (Software)   GPA: 20/20 via 3 credits
o **High School**   2010–2014
   Emam Reza   *Shiraz-Iran*

SOME COURSES

o Computer Programming	20	o Linear Control Systems	18.24
o Advanced Programming	19.64	o Probability & Statistics	17.5
o Logical Circuits	18.7	o Engineering Mathemathics	19
o Computer Architecture & Microprocessors	19.6	o Electric Circuit	20
o Microprocessor Systems & Interfaces	18.5	o Electronic II	19
o Internet Engineering	20	o Technical English	18.5

LANGUAGE SKILLS

o Persian   Native
o English   Fluent (reading, writing); Intermediate (speaking)

COMPUTER SKILLS

Programming Languages
o C++
o Python
o HTML5
o CSS3
o JavaScript (jQuery)
o Php
o mySQL
o LaTeX

Technical Softwares
o Matlab (+Simulink)
o MS. Visual Studio
o Qt Creator
o PyQt
o git
o Arduino
o Proteus
o ADS

Frameworks
o React Native
o Redux

INTERNSHIP

o **Monitoring and tracking objects for rehabilitation and security uses.**
o Developing and designing two cross-platform mobile applications using **React Native** and **Redux** frameworks.
o Developing a back-end server for mobile applications using **Php** and **mySQL**.
   – Supervisor: Dr. Sharifian

Amirkabir University of Technology - Department of Electrical Engineering
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in mohammad-hassan-mojab   1/2

ACADEMIC PROJECTS

- **Online Food Ordering Website**. Developing and designing an online food ordering website using **HTML**, **CSS**, and **JavaScript** for front-end and **Php** and **mySQL** for back-end of the website.
  - Supervisor: Dr. Bakhshi [Spring 2017]

- **Implementing Wireless IOT Devices**. Data gathering from **PIR**, **Temperature & Humidity** sensors using **ESP** module.
  - Supervisor: Dr. Sharifian [Spring 2017]

- **UGV Control & Remote Connection**. UGV navigation using an image processing library called **Aruco**, Controlling UGV using control systems implemented in **simulink** and Connecting UGV to the server using **NRF** & **UDP** protocol.
  - Supervisor: Dr. Abdollahi [Winter 2016]

- **Holographic Scanner**. The project includes a GUI created by **pyQt** and two sharp sensors attached on a soccer robot to make a **Holographic** scan of the environment by rotation of the robot and then send data over serial port to computer. After processing received data, a 3D Real-time plot of the scanned environment is displayed in the GUI.
  - Supervisor: Dr. Jahanshahi [Spring 2016]