



Mohammad Hassan Mojab

Curriculum Vitae

EXPERIENCE

- **Mobile Application Developer** Oct 2017–Present
Andishe Fartak Amirkabir (Atrovan) Tehran-Iran
Developing Android & iOS applications for:
 - Home automation (Smart Home)
 - Electricity power analyzer (EcoSense)
 - Fleet managing system (Fleetak)
- **Mobile Application Developer** Sep 2018–Jan 2019
Tosee Pardazan Andishe Gostar (Shams) Tehran-Iran
- Developing Android & iOS application for two-sided platform for iron-sellers & buyers.
- **Programmer** Sep 2016–Oct 2017
Control of Multi Vehicle Systems Laboratory Tehran-Iran
 - Programming AVR micro-controllers and Raspberry Pi micro-computer.
 - Machine Vision.
 - Developing user interface and designing a controller.

EDUCATION

- **Bachelor of Science** 2014–2019
Amirkabir University of Technology Tehran-Iran
 - Major: Electrical Engineering (Electronics) GPA: 17.44/20 via 137 credits
 - Minor: Computer Engineering (Software) GPA: 16.04/20 via 18 credits

SOME COURSES

- | | | | |
|---|-------|----------------------------|-------|
| ○ Computer Programming | 20 | ○ Linear Control Systems | 18.24 |
| ○ Advanced Programming | 19.64 | ○ Probability & Statistics | 17.5 |
| ○ Logical Circuits | 18.7 | ○ Engineering Mathematics | 19 |
| ○ Computer Architecture & Microprocessors | 19.6 | ○ Electric Circuit | 20 |
| ○ Microprocessor Systems & Interfaces | 18.5 | ○ Electronics II | 19 |
| ○ Internet Engineering | 20 | ○ Technical English | 18.5 |

LANGUAGE SKILLS

- English Advanced (reading, writing, listening); Intermediate (speaking)

COMPUTER SKILLS

Amirkabir University of Technology - Department of Electrical Engineering






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in mohammad-hassan-mojab



Programming Languages

-  C++
-  Python
-  JavaScript
-  Php
-  mySQL
-  L^AT_EX

Technical Softwares

-  Matlab (+Simulink)
-  MS. Visual Studio
-  Qt Creator
-  git
-  Arduino

Frameworks

-  React Native
-  Redux

INTERNSHIP

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

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 distance 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]