Ashkan Rashvand

B.Sc. in Electrical Engineering(control)

Fully Interested in Control and Robotics

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989121827167

Qazvin, Iran

EDUCATION

Electrical Engineering(control)
Department of Electrical Engineering, Qazvin International University (IKIU)

09/2015 – 09/2019 *Qazvin, Iran*

Courses

- GPA:18.10/20[GPA:3.73/4]

WORK EXPERIENCE

Internship
Rastafan Ertebat

07/2018 – 09/2018 *Tehran*

professional research on servo motors for tracking radar

Achievements/Tasks

- member of R&D department

Digital System Lab
Qazvin International University (IKIU)

09/2017 – 06/2018 *Qazvin*

Cartesian Robot Assembler & Programmer

- Programming and assembling a Cartesian Robot for path following

Contact: Mr .Soleimani – Soleimani@ikiu.ac.ir

Student Job
Ashkar partov poya

06/2017 – 09/2017 *Qazvin*

Knowledge enterprise

Achievements/Tasks

- Applying PID Control using STM32 MicroControllers

Robotic
Qazvin International University (IKIU)

01/2019 – Present *Qazvin*

Teacher Assistance

- Teaching and solving problems from "Introduction to Robotics : Mechanics and Control by John J. Craig"

Contact: Dr.ehyaei – f.ehyaei@eng.ikiu.ac.ir

Research Experience
Qazvin International University (IKIU)

01/2019 – Present

Achievements/Tasks

- Research on Fuzzy based IMC_PID controller for IPD process

Contact: Supervisor: : Prof. Mahdi Rahmani (rahmani.ikiu@gmail.com)

SKILLS

- professional ability for programming STM32 MicroControllers
- Familiar with analog device gyroscope & zettlex incoder & Oscilloscope & Soldering
- Programming languages: MATLAB, STEP7 (both ladder and STL), C
- Software: COMSOL,MATLAB, Simulink, SIMATIC Manager, PROTEUS,KEIL,LABVIEW,ISE
- Linear & Digital Control Design with MATLAB

PERSONAL PROJECTS

Designing hardware with FPGA (09/2016 – 09/2017)

- generating PWM using State machine.
- designing moving average and median filter.
- design a hardware to get data from ad6645(ADC).
- design a Hardware to control data spill from ROM & RAM.

STM32 Project (09/2016 – Present)

- Establish Communication Between a Range of Sensors With STM32 Microcontroller
- Establish Communication Between STM32 Microcontroller & nrf24l01

CERTIFICATES

Signal Processing with FPGA
Digital Certificate URL:http;//faradandish.com/certificate/1535032171

Course Completion Certificate from English Department of Iran language Institute
C2 accordance to the CEFR(Common European Framework of Reference)

LANGUAGES

Persian
Native or Bilingual Proficiency

English
Full Professional Proficiency

INTERESTS

- Control theory & Optimization
- Robotics(Robot motion planning ,Robot-Assisted Therapy)
- Artificial Life
- MicroController
- Instrumentation