

Syed Saad Saif

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OBJECTIVE

To to pursue higher education in the field of Automation and/or Robotics. I wish to acquire latest knowledge relevant to the current trends and perform research in the field. My particular area of interest is the development of controllers for aiding human operators in performing skillful tasks.

EDUCATION

Bsc in ELECTRICAL and ELECTRONICS ENGINEERING at Middle East Technical University, Ankara, Turkey (September 2014-Present), CGPA: 3.11

Bsc in ELECTRICAL and ELECTRONICS ENGINEERING (Withdrawn) at Lahore University of Management Sciences, Lahore, Pakistan (August 2013-June 2014), CGPA: 3.72

Lahore Grammar School, Lahore, Pakistan (September 2011-June 2013)

Beaconhouse School System Lahore, Pakistan (September 2006 - June 2011)

Qualifications: A-Levels (University of Cambridge): 1A*s, 3As,

O-Levels (University of Cambridge): 3 A*s, 2A, 3 B

Awards:

Dean's Honor List Freshman Year, Lahore University of Management Sciences

Outstanding Result: Lahore Grammar School (A- Levels)

TECHNICAL SKILLS

Computer Aided Design Software Knowledge: Ptc Creo (Intermediate), Key Creator (Intermediate), Solidworks (Intermediate) , Eagle PCB design software (Intermediate).

Programing Languages Knowledge:

C/C++ (Intermediate), Python (Intermediate), Matlab (Intermediate), Java (Beginner)

Microcontroller programming:

PIC 16 SERIES using MPLAB XC8 compiler, ATMEL MEGA SERIES using Arduino IDE.

ARM Cortex - M4 Assembly Programming

WORK EXPERIENCE

Internship at **HEAVY MECHANICAL COMPLEX TAXILA (HMC)** (1/08/2016 - 24/08/2016)

Taxila, Pakistan

- Electrical power production
- Power control panels design and Implementation
- Motor design

Internship at **ORTANA** (29/08/2016 - 30/09/2016)

ODTU TEKNOKENT. ANKARA, TURKEY

- RAD Studio C++ Builder
- PIC Microcontroller programming
- Embedded system communication over SPI protocol

Part Time Work at **YAPIDESTEK** (01-02-2017 - Present)

ODTU TEKNOKENT. ANKARA, TURKEY

- PCB Design
- ESP8266 Microcontroller programming
- Power Circuit Design for portable electronic modules
- Implementation of Wireless Data Acquisition System

Internship at **UMUT AYDIN ORTANA** (12/06/2017 - 11/07/2017)

ANKARA, TURKEY

- Object Oriented Programming on RAD Studio C++ Builder
- GPS NMEA Parsing Library
- GPS data collection software

UNIVERSITY PROJECTS

Virtual Reality 3D Tracking System

- Real Time Head Tracking Using Infrared LED glasses and Infrared Camera.
- 3-Axis motion tracking.

WORK PROJECTS

Data acquisition system for the monitoring of health of historical buildings

- Deployed in the field. (Urfakapi, Diyarbakir)
- Wireless transmission of via 3G data link to central server
- Live (every 15 minutes) data accessible via the internet.

PERSONAL PROJECTS

Basic Home Flight Simulator

- Selfmade Flight Yoke, throttle Quadrant, Flaps and Landing gear modules.
- Interfaceable with Microsoft Flight Simulator X Via Microcontroller and Serial To Usb device

ACTIVITIES

Aerospace Club member, METU

(Nov 2014 – Present)

- Learnt to fly aircraft on Club flight Simulator.
- Improved knowledge of modern aviation standard, modern aircrafts.

HOBBIES

Landscape photography. Motorcyclist