

# Awais Ahmad Siddiqi



## Personal Details

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Phone: 0086-13109892475

Date of Birth: 4, Jan, 1990

Nationality: Pakistan

Residence: China

Address: International  
Students Office, Northeastern  
University, Nanhu Campus,  
Shenyang, Liaoning Province,  
China

## Languages

English: IELTS 7

Urdu

Hindi

Chinese (Basic)

## Controllers

Raspberry Pi 3

Atmel

Microchip

PLCs (Siemens), Omron, Delta

Arduino

Xilinx Spartan S3 FPGA board

ESP8266 wifi modules

## Other Skills

Android Apps Development

Java Web Development

PCB Design

Digital Logic Design

Ladder Logic

## CAREER STATEMENT

As a well-presented, self-motivated and confident electronics engineer with masters in software engineering degree, my objective is to utilize my technical skills for achieving the target and developing the best performance in the organization. I would like to implement my innovative ideas, skills and creativity for accomplishing the projects.

## ACADEMIC QUALIFICATIONS

**Northeastern University, China 2014- 2017**

Masters in Software Engineering

Thesis: IoT (Internet of Things) implementation based on Raspberry Pi based smart home automation system controlled from a web server residing inside Raspberry Pi module using MQTT protocol using ESP8266 Wi-Fi module.

**University of Wah, Pakistan 2007 - 2011**

BSc Electronics Engineering

Thesis: GSM GPRS based remote energy monitoring system using Simcom module and web integration

## Areas of Expertise

Digital Signal Processing, Circuit Design, Internet of Things,  
Digital Image Processing, Embedded Systems, Control Systems, MQTT,  
Technical Report Writing

## Languages and Tools

C++, Python, Java, Matlab, PLC, Arduino, Atmel Microcontrollers, PIC microcontrollers, Android Studio

## Misc. Projects

Line Following Robots using PID feedback system, Face-Recognition with python openCV haar cascade, Student Management System with Java Servlet and MySQL and Android App. EEG signals classification with Matlab.

## Achievements

- Pakistan National Engineering & Robotic Competition 2010 (Runners up)
- Fully Funded Scholarship Winner for Master's degree in China (China Scholarship Council)

## Publications

The guitar chord-generating algorithm based on complex network. Published in Physica A: Statistical Mechanics and its Applications Volume 443, 1 February 2016, Pages 1-13

## Professional Experience

- Instrumentation Engineer Almoiz Industries:2012-2014  
Worked for almost two years as automation engineer and shift engineer where my basic focus was PLCs, DCs and other instrumentation installation and calibration. Worked on various kind of sensors (RTDs, pressure sensors, pH monitors etc.) and various kind of actuators and solenoid control valve
- Technologist Zxtech (2017-2018)  
Android Development and machine learning

## Internships

- Neusoft: Worked as internee in Neusoft where the main focus was on Android Development and Project management.
- Pakistan Aeronautical Complex, Kamra, Pakistan