

# TUAN MAI HOANG

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## PERSONAL DETAILS

- ✚ Full Name: TUAN MAI HOANG
- ✚ Birthday: 25/10/1994
- ✚ Gender: Male
- ✚ Marital Status: Single
- ✚ Nationality: Vietnamese
- ✚ Home Address: 01, 3th Hamlet, Long An Village, Long Thanh Town, Dong Nai Province, VN
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## EDUCATION QUALIFICATIONS

- ✚ **9/2012 - 8/2016:**
  - Studying at University of Science, major in **Computer and Embedded System**.
  - Expected Graduation time: 9/2016
  - GPA: 7.74
- ✚ **2009-2012:** Graduated from Long Thanh High School
- ✚ **English:**
  - Level B in English Certificate
  - IELTS Certificate band 5.5 (2014)
- ✚ **Highest Degree:** Bachelor

## SKILLS

- ✚ **Programming Languages:** C, Verilog HDL, Matlab, Java, PHP, Android, Python

- ✚ **Programming Tools:** Visual Studio 2012, 2015, Quartus 11, Matlab 2010, Android Studio, Eclipse, Arduino IDE, MPLAB-X IDE
- ✚ **Good Knowledge:** Computer Architecture, Logic Design, Microcontroller, Android operating system architecture, PHP.
- ✚ **Soft skills**
  - Self-motivated
  - Condescending
  - Fairly good at communication.
  - Teamwork or work independently, flexibility
  - Time management

## WORK EXPERIENCES

- ✚ **Digital Signal Processing and Embedded Systems Laboratory(9/2014-10/2016):**
  - Digital Signal Processing and Embedded Systems Laboratory (DESLAB) : it is the only one laboratory in Faculty of Electronic and Telecommunication of University of Science, researching in Digital Processing Signals, Programmable Logic and Embedded Systems.  
Website: deslab.vn
  - My Position: Collaborator
  - Through DESLAB, I have studied many technologies relates to Embedded Systems. Moreover, I also had been getting knowledge from some soft-skills and hard-skills.
  - Job Description:
    - Design and implement digital logic on DE2 Altera Board
      - Digital clock using DE2 Board: Display time on 7seg-led, alarm and adjust time by button
      - Design simple CPU 16bit has function using DE2 Board
    - Design Fast Fourier Transform (FFT) Circuit up to 8192 points.
- ✚ **Athena Network Security and Administrator Training Center (7/2015-9/2015):**
  - Center Athena is the place where student can study in Network and some popular Programing language such as: Android, PHP and C.  
Website: Athena.com.vn
  - My position: Internship
  - Through Athena Center, I had studied the PHP programing language which I can write my own website. Furthermore, I also gained more soft-skills knowledge, especially teamwork, that is useful for my future

- Job Description: Implement **News Website and Sale Website** using PHP and Wordpress themes.

✚ **My bachelor's thesis: Design Smart Garden Management System via Internet:**

- Use board Raspberry Pi communicate to board Arduino through NRF24L01 - a module can send/deliver through RF signal. Board Arduino send data of Sensors (Temperature, Humidity, intensity of light...) to Raspberry Pi to store in database. Base on the data of sensors, users can send command to interact appropriately to the garden.
- Design database in Rasbian Operation System of board Raspberry Pi to store the data of sensors from board Arduino.
- Design Webserver in Rasbian Operation Systems of board Raspberry Pi to show the information of the Garden - Temperature, Humidity... and some function such as turn on/off watering, Open/Close main garden door and sky gate... Put webserver on the Internet that users can manage garden via Internet.
- Design application in Android access to Webserver in order that users can easy manage their garden whenever they want with smartphone.

## OBJECTIVES

- ✚ To get more knowledge
- ✚ To Increase my communication
- ✚ To have own business