CHUNYANG HUI

410 S Morgan St, Chicago, Illinois, 60607 | (1)312-722-0816 | chui21@uic.edu

https://github.com/jessehui

Summary

Electrical & Computer Engineering graduate student with experience in C language and MCU, Python, ARM Cortex-M Series and web developing based on Django. Also with several project experiences and two patents.

Education

- **University of Illinois at Chicago** - Chicago, IL — Expected: May 2017
  Master of Science, Electrical & Computer Engineering — **GPA: 3.75/4.0**
- **Northeastern University** – Qinhuangdao, China (Project 985,211) — June 2015
  Bachelor of Science, Electronic & Information Engineering — **GPA: 3.61/5.0**
  Recipient of 2nd Prize Scholarship (2 years) and **Tech-innovation** Scholarship (1 year)

Skills

OS: Windows, OSX, **Linux**(Ubuntu), Virtual Machine (VMware, Parallels)
Programming Languages: C, Python, Verilog HDL, Assembly Language, **MySQL**, **Git**, HTML, CSS, Shell
Software: Keil C, **Keil MDK**, IAR, **Quartus**, Altium Designer, Proteus, **Labview**, MATLAB, 123D Design, **MindNode**
Hardware: **8086**,8088, 8051, STC12C5, **MSP430**, **STM32F4**, ATmega328P
Present Studying: VLSI Design and Verification (school work), ARM-Cortex M Series, **uCOS** (self study)
Language: English, **Chinese**

Engineering Experience

Member, Combat Robot Group, Chicago Engineering Design Team Club — Sept 2015 – Present
- Studied mathematical expression of rigid body motion using **MATLAB**
- Programmed RedBot Project based on **Arduino** (main processor: **ATmega328P**), realized the functions of tracing, motion planning, **Bug Algorithm**
- Leader of team constructing New Combat Robot

Team Leader, Arch de Triumph Team, Northeastern University, China — Sept 2013 – Sept 2014
- Organized a tech-innovation team and created **Access Control System based on Wi-Fi and Smartphones**
- Created the idea to use camera to identify the person(s) outside and use smartphones to control the lock. Originated two levels of locks to be convenient and safe
- Studied GSM module (**TC35i**, STC12C5) and learned the method to implement **IP camera**
- Won the **National 1st Prize** of *'ICan'* China University Student Internet of Things Innovation and Entrepreneur Competition

Member, MCU League, Northeastern University, China — Feb 2013 – July 2013
- Participated in project "**Wireless Positioning System based on RSSI**", got familiar with **ZigBee** Protocol, **IAR** development tools, **UART** serial port communication programming, registers and functions of CC2530, and fundamentals of positioning based on received Signal Strength Indication (RSSI)
- Team member in the project "**Digital thermometer based on DS18B20**" and was responsible for the implementation of hardware and programming. Got familiar with **8051** micro-processor, Keil C, hardware design
- Learned fundamental of **High Speed** PCB and **4-layer** PCB layout. Experienced in soldering a radio.

Working Experience

Secretary, Technology & Innovation Department, Northeastern University, China — Oct 2012 – June 2013
- Installed and upgraded operating system and software programs
- Assisted students with PC problems, configuration of networks and tutored students in software like MATLAB, Office Suite, Keil, Quartus
- Organized large technical competition including *Lanqiao* Software Competition and Electrical Design Competition

Market Promotion Intern, EF Education First, China — July 2013 – Aug 2013
- Hosted promotion events to help students and parents know more about EF
- Made good connection with parents of children who might be able to take trial classes for free and persuaded them to choose us
- Managed and maintained promotion supplies

Intern, Hengsheng Digital Plaza, China — June 2012 – Aug 2012
- Assembled PCs and installed operating systems

- Offering technical support for customers with software problems
- Promoting LCD and LED Displays with newest technology

Patents

Intelligent access control system based on WIFI (CN204288341U)   April 2015
Access control system (CN204288342U)   April 2015

Involvement and Awards

Won the Individual 1st Prize with the speech *"How Bad Do You Want To Succeed"*   Sep 2013
Worked as a volunteer in *The Bank of America Chicago Marathon*   Oct 2015