FANG Ke

coorfang@gmail.com | (+33) 7 84 18 48 42 | coorfun.com

Education

Master of Engineering   **2016.9 - Present**

Embedded System. *@ Institut Électronique Supérieur de Paris (ISEP)*

Exchanging Student   **2015.2 - 2015.8**

Information Engineering. *@ HAW Hamburg*

Bachlor of Engineering   **2012.9 - 2016. 6**

Measurement & Control Instrument. *@ University of Shanghai for Sciences and Technology (USST)*

Working Experience

Intern-Engineer (Full-time)   **2016.2 - 2016.9**

Embedded software development, Embedded hardware design. *@ OX Technology - Shanghai*

Hardware & Sofeware Engineer (Part-time)   **2015.11 - 2017.8**

Raspberry Pi extention design, Test-driven development. *@ NXEZ Team - Shanghai*

Chinese-English Translator (Part-time)   **2015.8 - 2017.8**

Translating from orginal English version into Chinese. *@ Posts & Telecom Press - Beijing*

Projects

Auto-Pilot Racing Car   **2014.2 - 2014.8**

- The goal of this project is to develop a car model which can do auto-pilot, self-balance and image recognition following the given rules.
- Freescale K60 based hardware design(PCB), hardware test, library development.

Raspberry Pi Extensions (SAKS, Network Relay)   **2014.11 - 2016.6**

- This project is mainly focusing on designing a very low cost RPI HAT which can help teenagers and electronic beginners to learn Raspberry Pi and Python programming easier.
- Hardware Design, software development.

Emerson Industry Meter Regulation   **2015.10 - 2016.3**

- This project is to be familiar with how does Emerson industry process control system work and propose a better control strategy.
- Control algorithm analysing, PID parameter regulating.

Medical Air Conditioner   **2016.2 - 2016.5**

- This project is to design a air conditioner control system which collects temperature and pressure data, then organises the fans and compressor work in the proper status.
- STM32 based hardware design(PCB), software design.

FANG Ke

coorfang@gmail.com | (+33) 7 84 18 48 42 | coorfun.com

Industry Ph Meter   **2016.5 - 2016.9**

- This project is to design a Hh meter which has a user interface and works in the industry field.
- STM32 based embedded GUI design and development.

Image Segmentation   **2017.9 - Present**

- This is my final project to finish my master degree. The goal is to develop a application, which has several different image segmentation method. During the development, we have to propose our own method or modification based on current algorithm.
- Matlab based segmentation algorithm design & realisation.

Publishments

Adventure In RaspberryPi (As titled translator)	**2015**
Arduino for Dummies (As titled translator)	**2016**
30 Arduino Projects for the Evil Genius (As titled translator)	**2017**

Honors & Awards

Excellent graduate & project, University of Shanghai for science and Technology	**2016**
3rd prize of the Emerson Industry 4.0 Competition	**2016**
2nd prize of the Innovation Competition, OECE, USST	**2015**
3rd prize of the National Freescale Intelligent Car Racing	**2014**

Skills

Programming

ASM/ C/ C++/ Java/ Pyhon/ PHP/ Matlab/ CSS/ SQL

EDA

Altium Designer(PCB design)/ Solid Works(Basic CAD)

Language

French (Basic)/ English (Excellent)/ Chinese (Native)

General

Microsoft Office/ Speech/ Driving/ Photography/ Adobe Photoshop