

Lingyuan Yang

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Notable Experience and Projects



Software engineering internship

Sweden

RBS synchronization software group, Ericsson

Jun 2018 - Aug 2018

- Software porting from 32-bit to 64-bit platform
 - Test existing codes and propose solution for potential risks of cross-platform porting.
 - Improves team efficiency with shell scripts which help to conduct work flow automatically.
- System documentation reimplementatation
 - Restructure the documentation with Markdown and PlantUML



Embedded software developer(part time)

Sweden

Start-up hardware development group, MindfulHU

Feb 2018 - Aug 2018

- Develop embedded software and firmware for prototypes
 - Build up the software solution from ground with Arduino
 - Design the circuit with seprate component and solder the circuit board for the prototypes.



National Undergraduate Electronics Design Contest

China

Second prize. Top 7.5% in the contest of 2015

Aug 2015

- The entries are Equal precision frequency meter.
 - Achieved a relative measurement precision of 0.01% throughout the range of 1Hz-100MHz.
 - Realized real time data update, increase precision of data display and minimize dithering.
- Responsibility
 - Develop firmware to drive the circuit and peripherals
 - Develop software algorithm for digital signal processing and precision improvment.

Education

- **KTH Royal Institute of Technology** Sweden
Master of science - ICT Innovation, Embedded Systems., in progress 2017-on going
Main courses: Embedded Systems | Embedded Software | Computer System Architecture.
- **Harbin Institute of Technology** China
Bachelor of Engineering - Electromagnetic field and wireless technology. 2013-2017
Main courses: Microcontroller Theory and Interface Technology | Digital Signal Processing | Microwave Technique | Radio wave and antenna

Skills

- **Programming:** C/C++, MATLAB, Linux shell, Git.
- **Documentation:** L^AT_EX, Markdown, PlantUML, MS office
- **MCU and OS:** STM32F10x, STM32F40x, Arduino, Altera Nios II, μ C/OS-II(Intermediate)
- **Language:** English(Professional working proficiency), Chinese(Native)