Lingyuan Yang

📱 +46 727405529 • ✉ linyan@kth.se

🌐 linkedin.com/in/lingyuanyang

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 reimplementation
  - Restructure the documentation with MarkDown and PlantUML

Embedded software developer(part time)   **Sweden**
Hardware development group, MindfulHU(Start-up)   *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 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.   *2017-on going*
- Main courses:
  Embedded Software | Compilers&Execution Environments | Computer System Architecture.

Harbin Institute of Technology   **China**
Bachelor of Engineering - Electromagnetic field and wireless technology.   *2013–2017*
- Main courses:
  Microcontroller Theory | Digital Signal Processing | Microwave Technique

Skills

o **Programming:** C/C++, MATLAB, Linux shell, Git.

o **Documentation:** LaTeX, MarkDown, PlantUML, MS office

o **MCU and OS:** STM32F10x, STM32F40x, Arduino, Altera Nios II, μC/OS-II

o **Language:** English(Professional working proficiency), Chinese(Native)