

Education

Southeast University

B.E. IN ELECTRONIC SCIENCE AND ENGINEERING

Nanjing, China

Sep. 2015 - Jun. 2019

- GPA: **3.95/4.0**, Score: **92.03/100**, Ranking: **1/126**
- Related Courses: Advanced Mathematics(98), College Physics(96), Signals & Systems(95), Fundamentals of Semiconductor Physics(96), Fundamentals of Circuit(98), Microcomputer Systems & Interfaces(96)

Technical University of Munich

EXCHANGE STUDENT IN ELECTRICAL AND COMPUTER ENGINEERING

Munich, Germany

Oct. 2018 - Mar. 2019

- Related Courses: Advanced Topics in IC Design, Memory technologies for data storage, System-on-Chip Technologies, Superconducting Quantum Chip, Machine Learning for Computer Vision

Skills

Programming C/C++, Python, Java, Matlab, Verilog HDL, LaTeX
Tools Multisim, Altium Designer, Proteus, OpenCV, Git, Android, MySQL
Languages Chinese(Native), English(GRE 330+4.0)

Lab Experience

Lab of Media Technology

GRADUATION DESIGN, SUPERVISED BY PROF. DR.-ING. ECKEHARD STEINBACH

Munich, Germany

Nov. 2018 - Present

- Develop a neural-network-based **teleoperation** control scheme and combine haptic code into the control scheme.
- Compare it with the state-of-the-art methods, such as wave-based time domain passivity approach(**TDPA**).

Display Research Center

MEMBER, INSTRUCTED BY PROF. JUN XIA

Nanjing, China

Jul. 2018 - Oct. 2018

- Conducted research about non-invasive imaging through opaque scattering layers.
- Employed Matlab to optimize **transmission matrix** to improve the performance.

Laboratory of MEMS

TEAM LEADER

Nanjing, China

Sep. 2017 - Jun. 2018

- Designed PDMS chips and implemented **EIS**(Electrochemical Impedance Spectroscopy) to detect C. elegans.
- Established optical path system to detect the information of green **fluorescent** protein stimulated by the incident laser, based on PMT.

Projects

RobocupRescue

CORE MEMBER

Qingdao, China

Jun. 2016 - Jun. 2018

- Operated the **mechanical arm** in the robot, the total cost of which was nearly RMB 100,000.
- Participated in Robocup China Competition and gained the third prize(3/5) in 2017 and **promoted** to get the second prize(2/6) in 2018.

IoT Design

CORE MEMBER

Nanjing, China

Apr. 2017 - Dec.2017

- Adopted LAN to realize **wireless communication** among several nodes and applied voice module to realize **interaction**..
- Designed an **Android** App to display the information of sensors, such as temperature.

Embedded Intelligence Vehicle

TEAM LEADER

Nanjing, China

Nov. 2016 - May. 2017

- Programmed with Python to establish the navigation system based on Raspberry Pi to realize **auto-driving**.
- Built the database(MySQL) to store the data gathered from GPS module and other sensors.
- Used **PID control algorithm** to adjust the DC motor, Veyron, to drive the four-wheeled vehicle.

Robotics Competition

CORE MEMBER

Nanjing, China

Sep. 2016 - Jul. 2017

- Upgraded the **circuits** of Hero Robot, exploited **OpenCV** to recognize digits and won the **first** Prize in the East Division of China.
- Held the Robot Opening Day to introduce basic knowledge about robots, visitors up to **1k+**.

Honors & Awards

2016 **National Scholarship**, RMB 8000, top 1% in Southeast University

Nanjing, China

All **Competitions**, RoboMaster, Electronic Design, Embedded Program, FPGA Design, Advanced Mathematics