Yufei Gu

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Education Background

Yangzhou University **08/2018-06/2022**
Major: Electronic Information Engineering, Average Score： 88.1/100 *Jiangsu, China*
Relevant Courses:
Higher Mathematics, Linear Algebra, Basis of Circuit Analysis, Basis of Software Technology, Basis of Analog Electronics Technology, Fundamentals of Digital Electronics, Principles and Applications of Mono-Chip Computers, High-Frequency Electronic Circuits, Signal and System, PLL and Frequency Synthesis, Information Retrieval, Sensor Technology, Electronic Measurement Technology, Digital Image Processing, DSP Processor and Its Applications

Rice University **08/2022-present**
Major: Electrical and Computer Engineering *Houston, United States*
Relevant Courses:
Advanced VLSI Design, Mobile & Embedded System, Computer Systems Architecture

Project Experiences

Provincial Undergraduate Students Innovation and Entrepreneurship Training Project: Remote Monitoring and Management System of Human Body Index in Infectious Disease Quarantine Zone **03/2020-09/2021**
Team Leader/Project Manager (Supervised by A/Prof. Yuren Du) *Jiangsu, China*
Objective: to design and develop a remote system to monitor and visualize quarantined person's body index in Infectious Disease Quarantine Zone; collect and analyze their body index, including temperature, heart rate, and blood oxygen to respond to possible emergencies

Project at Yangzhou University: Intelligent Monitoring and File-achieving Management System for Secret Places **03/2020-09/2021**
Participant (Supervised by A/Prof. Yuren Du) *Jiangsu, China*
Objective: to develop a system for personnel and document management in secret places and associate the system with the alarm system to respond to emergencies and incidents that would threaten the security

Professional Competitions

The 2021 TI Cup National Circuit Design Contest (National Class-A Subject Competition) **11/2021**
Team Leader (Supervised by A/Prof. Yuren Du) *Jiangsu, China*
Objective: to develop the analysis and identification device for electrical appliances
Key Results:
- Executed the propose and processed the development procedure
- Completed the coding tasks for the control panel and tested for trouble-shooting and debugging
- Won both the first-class prize at the provincial level and the first-class prize at the national level

The 2020 TI Cup National Circuit Design Contest (National Class-A Subject Competition) **10/2020**
Team Leader (Supervised by A/Prof. Yuren Du) *Jiangsu, China*
Objective: to complete the node design for the wireless motion sensor
Key Results:
- Proposed the plan to complete the chose project and designed the workflow
- Monitored and managed the execution process to ensure that the project would be completed timely
- Won the first-class prize at the provincial level

Skills and Others

Computer: C, C++, Python, Verilog, Matlab, Qt, Autodesk Fusion 360, Vivado, Protues, Multisim, Altium Designer, Arduino, git, KEIL/MDK, IAR Microsoft Office (Word, PowerPoint, Excel)
Language: English (Proficiently Fluent), Chinese (Native)