

MINGYU LIU

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University of Electronic Science and Technology of China

EDUCATION

University of Electronic Science and Technology of China
Bachelor of Science in Electronic Science and Technology

Chengdu, China
September 2020 - June 2024

- Concentration: Solid Electronics
- Total GPA: 3.98/4.00 (90.86/100)
- Selected Coursework: Quantum Mechanics (96), Digital System Experiment EDA Technology B (98), Fundamentals of Solid-State Electronics I(94), Signals and Systems (90), Fundamentals of Microwave Technology A (95), Fundamentals of Microelectronic Devices

Imperial College (IC) and Nanyang Technological University (NTU)

Summer Online Program
July 2022 - August 2022

- Received training in IC design from Prof. Willy Sansen (former chairman of IEEE Solid-State Circuits Society)
- Focused on techniques related to digital IC from Prof. Goh Wang Ling (IEEE senior fellow)
- Wrote up final reports of two courses under professional guidance and achieved two A scores

RESEARCH

University of Electronic Science and Technology of China
Undergraduate Research Assistant

Chengdu, China
September 2022 - September 2023

School of Integrated Circuit Science and Engineering

- Conducted a project on “A novel bandgap voltage reference based on folding compensation”
- Published a paper in *Electronics Letters* (Liu, M., Zhuang, H., Huang, L., Tao, L. and Li, Q. (2023), A novel bandgap voltage reference based on folding compensation. *Electron. Lett.*, 59.)
- Came up with a novel folding compensation method and achieved a temperature coefficient (TC) of 2.23 ppm/°C
- Developed skills in Cadence Virtuoso simulation techniques
- Assisted in circuit design and simulations for the project
- Consolidated skills in data analysis and creating visually engaging graph

University of Electronic Science and Technology of China
Project Leader and Designer

Chengdu, China
September 2022 - September 2023

- Worked as the project designer of “An Intelligent Ultrasonic Distance Measuring Car”
- Worked as the project designer of “Wave Energy Devices Based on Variable Step Size Search Method”
- Worked as the project designer of “A Novel Bandgap Voltage Reference Based on Folding Compensation”

HONORS & AWARDS

- Second prize of the Individual Almighty Award in National Undergraduate Advanced Mapping Technology and Product Information Modeling Innovation Competition
- Second prize of the Group Award in National Undergraduate Advanced Mapping Technology and Product Information Modeling Innovation Competition
- H prize of the 2022 Mathematical Contest in Modeling
- First prize of CUMCM (Contemporary Undergraduate Mathematical Contest in Modeling) (Provincial)
- First prize of the Second "Shanshu Cup" Mathematical Modeling Elite League
- First prize of the Individual Almighty Award in Undergraduate Advanced Mapping Technology and Product Information Modeling Innovation Competition of Sichuan Province
- 2020-2021 Excellent Student Scholarship

ADDITIONAL INFORMATION

Languages: Chinese (Native), English (High Intermediate, IELTS Band 7)

Skills: Circuit Simulation, Matlab Programming, C language, Industrial Product Modeling

Computer Programs: Virtuoso, Vivado, Keil, SolidWorks, Matlab, Multisim, blender

Activities: Reading, Badminton, Cycling, Drawing, Concept Designing & 3D Modeling