

Yaohui Han

Changsha, China

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EDUCATION

Central South University, Changsha, China

Major in Applied Physics (Top-notch program)

Minor in Electronic Science and Technology

Sep.2021 — Sep.2025

87.75/100

ACADEMIC EXPERIENCE

mcs py: A Python package for Mobile Crowdsensing

Jul.2023 — Present

- Supervised by Prof. Anfeng Liu at CSU.
- Design several functions for mobile crowd sensing such as ϵ -Greedy, UCB algorithms.
- Tested by the Distributed and Edge Computing Laboratory of CSU.

YueLu: A RISC-V processor with LDPC functions

Jul.2022 — Jul.2023

- Under the guidance of Beijing Open Source Chip Research Institute and Institute of Computing Technology of the Chinese Academy of Sciences.
- Use NEMU (based on C) to evaluate my processor (based on Verilog). I finished the front-end design and taped out.
- Patent "An LDPC computing system based on RISC-V instruction set" is under review.
(Patent number: 202310808424X)

Biochemical reaction system control program based on STM32

Mar.2022 — Mar.2023

- Supervised by Prof. Zhengchun Liu at CSU and Prof. Honglu Zhang at SJTU.
- Implemented global control of the system and Bluetooth, Modbus, etc.
- Awarded as "Key Support Project of Hunan Province College Innovation and Entrepreneurship Training Plan", "Hunan Province College Student Innovation and Entrepreneurship Outstanding Project".

PUBLICATIONS

- Y. Han, A. Liu, et al. "Selecting Workers like Expert for Crowdsourcing by Integration Evaluation of Individual and Collaborative Abilities." (*ESWA, Under Review*)
- J. Tang, Y. Zhang, Y. Han, A. Liu, et al. "PUWR-TSSG: A CMAB Based Post-Unknown Worker Recruitment Scheme for Three-Stage Stackelberg Game in MCS." (*INS, Submitted to Journal*)

HONOR AND AWARDS

- **Silver Medal** - kaggle competition: Google - Fast or Slow? Predict AI Model Runtime Nov.2023
- **National First Prize** - National Undergraduate Electronics Design Contest Jul.2023
- **National First Prize** - Chinese Undergraduate Physics Experiment Competition Nov.2023
- **Provincial First Prize** - China Undergraduate Mathematical Contest in Modeling Sep.2023
- **National Third Prize** - MathorCup Big Data Competition Oct.2023
- **Scholarship for Scientific and Technological Innovation** - from GEM Co.,Ltd Sep.2023
- **Scholarship for Academic Excellence** - from CSU(twice) Jan.2023

OTHER EXPERIENCES

- **President of the Astronomy Association** Central South University
- **Technical Director of Electronics Association** Central South University
- **Senior Judge** Xunxingke Astronomy Community
- **Monitor of Top-notch program** Central South University

SKILLS

- **Programming:** Python, MATLAB, C, Verilog, LaTeX, Markdown...
- **Software Skills:** Origin, Visio, Linux, Keil, Photoshop...
- **Quality:** Never delay at work, have the patience and creativity to formulate and solve problems.