(86) 152-0176-3296	**GAO Jingbo**	jbgao15@fudan.edu.cn

EDUCATIONAL BACKGROUND

Fudan University   09 / 2015 – present (expected 07 / 2019)

Major in Microelectronic Science and Engineering

- All A range grades in software programming and signal processing related courses

Hong Kong University of Science and Technology   01 / 2018 – 06 / 2018

Undergraduate Exchange Program

- All A range grades and honored in the Dean's List
- Took a PhD level course (Digital VLSI System Design and Design Automation)

PROFESSIONAL SKILLS

Hardware

- Circuit analysis, basic analog circuits and VLSI digital system design, Synopsys/Cadence EDA tools
- FPGA development process, high-level synthesis (HLS), Xilinx / Altera FPGA development tools
- Principles of semiconductor physics, devices and fabrication technology

Software

- Skilled in use of MATLAB, C, Unix Shell (B Shell, C Shell, Bash)
- General knowledge of Julia, Python, C++, Java, HTML

Others

- General knowledge of signal processing, TCP/IP protocol stack, basic data structure and machine learning algorithms

LANGUAGE SKILLS

- Native in Chinese
- Fluent in English (TOEFL: 97 / 120 currently)
- Basic in Japanese

PROJECT EXPERIENCE

Dual Channel DAC Firmware Development of Testing Platform Based on Xilinx Virtex-4

- Designed a 3-opamp differential circuit for AD9715 output and a firmware for arbitrary waveform generator

Heterogeneous Acceleration for HKEx Orion Market Data Platform Client Based on Xilinx ZCU102

- Designed the sorting module

EXTRACURRICULAR ACTIVITIES

7th Yuanmeng Volunteer Program in Gucheng Middle School, Yunnan Province - Member   07 / 2017

- Contacted professors and foundations and raised about 4000 yuan
- Designed and taught Introduction to Artificial Intelligence to 80 middle school students and brought them interesting and cutting-edge knowledge
- Visited local students' family and did some social research related to the situation and influence of further education, digital devices and popular science which improved my social skills
- Honored as Class A Project of the 2017 Summer Volunteer Program of Fudan University

Student Union of School of Information Science and Engineering - Director   09 / 2016 – 09 / 2017

- Organized a training workshop for Adobe Photoshop that involved 80+ participants
- Organized, wrote and filmed microfilms in memory of December 9th Movement and graduation and gained attentions of 2000+ students
- Conducted a wechat platform with 3000+ followers and ranked top 10 in Fudan New Media Ranking twice

HardUST (Hackathon@UST 2018)   04 / 2018

- Built a Bluetooth-controlled stroller which can track someone in front in 48 hours

ACHIEVEMENTS AND AWARDS

- Undergraduate Scholarship, Fudan Univ., 2016 & 2017
- Outstanding Student, Fudan Univ., 2017
- Outstanding Student Leader, Fudan Univ., 2017
- National First Prize in Contemporary Undergraduate Mathematical Contest in Modeling, CSIAM, 2018

SELF ASSESSMENT

- Self-motivated
- Suitable for further research work