# Zhihao **Zhou**

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Oe Vlouw 1 C4, 2611 EW, Delft, the Netherlands

i Born on Mar. 10, 1992 in Shandong, China

# **Education**

Nov. 2017 | M.Sc. in Electrical Engineering

Delft University of Technology, Delft, the Netherlands Major in Microelectronics, graduate with honor (Cum Laude) **T**∪Delft

Jun. 2014 | I

B.Eng. in Electronic Science and Engineering Southeast University, Nanjing, China

GPA: 88/100



# Work Experience

Apr. 2018 | Analog Mixed-Signal Designer, SiTime, Delft, the Netherlands

Present > Owning several analog building blocks

Analog/Mixed-Signal



Sept. 2017 Aug. 2016

#### Master Thesis Intern, imec, Eindhoven, the Netherlands

> Proposed a novel ultra-low-power wakeup timer based on an RC frequency-locked loop for Internet of Things (IoT) applications



> System-level modeling with MATLAB to estimate stabilities of the oscillator w.r.t. temperature, supply, and noise

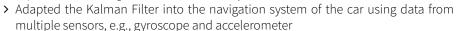
- > Transistor-level implementation in Cadence and tape-out in TSMC 40-nm CMOS
- > Measurements show the oscillator has the lowest supply voltage, the highest energy efficiency, and comparable stabilities w.r.t. the state-of-the-art
- > Resulted in two paper publications and one patent application

Analog/Mixed-Signal Ultra-Low Power Oscillator MATLAB Low Noise Cadence Layout Measurement Git

Aug. 2015 June 2015

#### Intern, Changzhou Research Institute of Zhejiang University, Jiangsu, China

> Explored control algorithms in smart car systems



> Collaborated with other colleagues in the PCB design of the hardware

Control System | Embedded System | MATLAB | PCB | Team Collaboration



### Professional Skills

**Development Tools:** Cadence, LTspice, ADS, Vivado, Quartus II, Altium Designer, ANSYS, Git

**Programming Languages:** Verilog-HDL, VHDL, C/C++, MATLAB, Python

Operating Systems: Windows, Linux, macOS

Miscellaneous: Team Collaboration, Łarek, Microsoft Office, Computer Maintenance



# Awards

2013	Scholarship of Suzhou Industrial Park	2%
2013	2 <sup>nd</sup> Prize in 12 <sup>th</sup> Structure Innovation Competition	5%
2013	Meritorious Winner in 7 <sup>th</sup> Freescale Smart Car Competition	10%
2012	Outstanding Student of Southeast University	1%