

# Zhihao Zhou

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De Vlouw 1 C4, 2611 EW, Delft, the Netherlands  
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)
- Jun. 2014 | **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 | **Master Thesis Intern, imec, Eindhoven, the Netherlands**  
Aug. 2016 | > 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 | **Intern, Changzhou Research Institute of Zhejiang University, Jiangsu, China**  
June 2015 | > Explored control algorithms in smart car systems  
> Adapted the Kalman Filter into the navigation system of the car using data from multiple sensors, e.g., gyroscope and accelerometer  
> 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,  $\LaTeX$ , Microsoft Office, Computer Maintenance

## Language

Mandarin ● ● ● ● ●

English ● ● ● ● ○

## 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%