

# Zhihao Zhou

+31(0)651655432 @ zzh2616@hotmail.com  
in linkedin.com/in/zhihao-zhou-cn1992  
Burgwal 21, 2611 GE, 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



## </> Project Experience

Sept. 2017 | **Master Thesis Intern, imec, Eindhoven, the Netherlands**  
Aug. 2016  
Title : a digital-intensive wakeup timer based on an RC frequency-locked loop for Internet of Things (IoT) applications  
A novel ultra-low-power oscillator was modeled with MATLAB and designed in Cadence to fully exploit the small area and low supply voltage advantages in advanced CMOS processes  
An automated measurement script was developed with Python and the results show the oscillator has the lowest supply voltage, the highest energy efficiency, and comparable stabilities w.r.t. the state-of-the-art



Integrated Circuit design Verilog-HDL MATLAB Python Git  $\LaTeX$

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

June 2014 | **Bachelor Thesis : Design of An Object Tracking Software**  
Dec. 2013  
Conducted research on various object tracking algorithms  
Designed a Windows software that can track multiple objects in a video file with OpenCV libraries using Visio Studio  
Optimized the software to handle real-time camera input for demonstration purposes

C++ Object Tracking Windows OpenCV Visio Studio

## Professional Skills

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

**Operating Systems :** Windows, Linux, macOS

**Miscellaneous :** Team Collaboration,  $\LaTeX$ , 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%  |