Zhihao **Zhou**

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⦿ 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
Aug. 2016

Master Thesis Intern, imec, Eindhoven, the Netherlands
> 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
June 2015

Intern, Changzhou Research Institute of Zhejiang University, Jiangsu, China
> 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
Dec. 2013

Bachelor Thesis : Design of An Object Tracking Software
> 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	2nd Prize in 12th Structure Innovation Competition	5%
2013	Meritorious Winner in 7th Freescale Smart Car Competition	10%
2012	Outstanding Student of Southeast University	1%