王 一臻
オウ　イシン

WANG Yizhen

Master | Mechanical Engineering | Hasegawa Lab, The University of Tokyo

✉ wang1zhen97@gmail.com　📞 080-8008-2338　📍 Tokyo, Japan
🌐 blog.wang1zhen.com　 github.com/wang1zhen　 in LinkedIn

Education

The University of Tokyo	Oct 2023 – Sep 2025
Master, Mechanical Engineering, Hasegawa Lab	Tokyo, Japan

○ Automatic Optimization of Pulsating Waveform for Drag Reduction in Experiment of Turbulent Pipe Flow

Master's thesis received the Award of Society of Automotive Engineers of Japan (JSAE)

University of Melbourne	Jan 2019 – Dec 2019
Master, Mechanical Engineering (Withdrawn)	Melbourne, Australia

○ Investigation of energetic motions in rough-wall turbulent boundary layers

Shanghai Jiao Tong University	Sep 2014 – Sep 2018
Bachelor, Energy and Power Engineering; Minor in Musicology	Shanghai, China

○ Dilution effects of DME and ethanol on methane flames

○ Dynamic characteristics of hydrogen-cooled generator stator foundations

Shanghai Experimental School	Sep 2011 – Aug 2014
High School	Shanghai, China

Skills

○ **Mechanical Engineering**
Tools: SolidWorks, OpenFOAM, ANSYS
Coursework: Advanced Heat Transfer, Numerical Thermofluid Engineering, Advanced Fluid Engineering, Numerical Methods

○ **Electrical Engineering**
Coursework: Circuit Theory, Visualization of PLC Control, Measurement Principles and Technologies, Instrumentation Concepts and System/Control Modeling

○ **Machine Learning & Optimization**
Methods/Coursework: Bayesian Optimization, Brain-Inspired Information Processing Mechanics, Neuro Intelligence

○ **Miscellaneous**
Programming: Python, MATLAB, C/C++, Emacs Lisp
Tools: Microsoft Office, LaTeX
Systems: GNU/Linux, openWRT, BSD

Languages

○ Mandarin Chinese: Native

○ English: Native Level

○ Japanese: JLPT N2 (CEFR B2, Business Level)

Interests

○ Classical Music: Amateur Violist

○ PC DIY: Server Administrator

○ Detective Novels and Science Fiction