オウ　イシン
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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Master, Mechanical Engineering (Withdrawn)   Melbourne, Australia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