

JIE HUANG

PERSONAL DATA

GENDER: Male
 NATIONALITY: Chinese
 DATE OF BIRTH: 1st February 1993
 ADDRESS: Wenzhou University, Zhejiang, China 325035
 PHONE: +86 199 3441 6201
 EMAIL: jiehuang@stu.wzu.edu.cn
 WEBSITE: <https://www.way2ml.com>

EDUCATION

09/2018–06/2021 | M.S. in **Condensed Matter Physics & Machine Learning**
 Wenzhou University, Wenzhou, China, Supervisor: Prof. Dr. Shibei Li
 Thesis: “[Applications of machine learning in hydrogen-bond dynamics in bulk water and polymer chains’ structure factor](#)”
 09/2012–06/2016 | B.S. in **Electronic Information Engineering**,
 China West Normal University, Nanchong, China
 Thesis: “[A CCD translation device based on Raspberry Pi](#)”

SCIENTIFIC PUBLICATIONS

1. **Jie Huang**, Gang Huang*, and Shibei Li*, A machine learning model to classify dynamic processes in liquid water, [arXiv:2104.07965](#), 2021
2. **Jie Huang**, Shibei Li*, Xinghua Zhang*, and Gang Huang, [Neural network model for structure factor of polymer systems](#), *The Journal of Chemical Physics* 153, 124902, 2020

INVITED TALK

1. Academic research experience sharing for postgraduates on National Science and Technology Talents Day, School of Mathematics and Physics, Wenzhou University, 2021

WORK EXPERIENCE

05/2018–12/2019 | Visiting Student, Center of Soft Matter Physics and its Applications,
Beihang University, Beijing, China. Supervisor: Prof. Dr. Ying Jiang
 1. **Teaching assistant** for the undergraduate course “C Programming Language”
 2. **System manager** of the Linux cluster at Center of Soft Matter Physics
 3. **Solving diffusion equations and finding critical points** of polymer systems using **unsupervised learning**
 4. **Corneal image classification** and keratoconus detection using **convolutional neural networks**, Collaborator: Prof. Dr. Meixiao Shen
 09/2016–04/2018 | **Software Engineer**, Falconpro, Inc, Shanghai, China
 Image processing & Barcode decoding

AWARDS

2021 | **Outstanding Graduate** in Wenzhou University (1/65)
 Award for **excellent scientific and technological innovation** (1/1176), Wenzhou University
 2020 | **National scholarship** for postgraduates (2/65), Wenzhou University
First-grade scholarship for scientific research (2/22), Wenzhou University
 2018 | Award for the best team member, Falconpro
 2017 | Award for the most creative employee, Falconpro
 2015 | **Second prize** in the **national undergraduate electronic design contest**
 China West Normal University

CERTIFICATES

- 2018 | MOOC certificate from Peking University, **Artificial intelligence practice**
- 2016 | edX certificate from The University of Texas at Austin, **Embedded Systems**
- 2015 | Certificate of **senior development engineer of MCU application**
- 2014 | MOOC certificate from Harbin Institute of Technology, **Python programming language**

SKILLS

Git, Linux, **Python**, C, Shell, **Tensorflow**, Embedded Systems Programming, LAMMPS, CP2K

ACTIVITIES

- 2020/06 | Creator of the [soft matter online discussion group](#) at Wenzhou University
- 09/2019 - 11/2019 | **Teaching assistant** for "C programming language," Beihang University
- 05/2018 - 11/2019 | **System manager** of the Linux cluster at Beihang University
- 02/2018 - now | Owner of the **online machine learning website**: www.way2ml.com

Last updated: August 27, 2021