

JIE HUANG

PERSONAL DATA

GENDER: Male
 NATIONALITY: Chinese
 DATE OF BIRTH: 1st February 1993
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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 translational 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

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

WORK EXPERIENCE

05/2018–12/2019 | Visiting Student, **Beihang University**, Beijing, China
 Center of Soft Matter Physics and its Applications,
 Supervisor: Prof. Dr. Ying Jiang

09/2016–04/2018 | **Software Engineer**, Falconpro, Inc, Shanghai, China
 Image processing & Barcode decoding

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

Last updated: July 24, 2021