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. Shiben 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 Shiben Li*, A machine learning model to classify dynamic processes in liquid water, arXiv:2104.07965, 2021

2. **Jie Huang**, Shiben 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

Last updated: August 27, 2021