

# JIE HUANG

## PERSONAL DATA

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GENDER: Male  
 NATIONALITY: Chinese  
 DATE OF BIRTH: 1st February 1993  
 ADDRESS: Chashan, Ouhai, Zhejiang, China 325035  
 EMAIL: [jiehuang@stu.wzu.edu.cn](mailto:jiehuang@stu.wzu.edu.cn)  
 WEBSITE: <https://www.way2ml.com>

## EDUCATION

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09/2018–06/2021	M.S. in <b>Condensed Matter Physics &amp; Machine Learning</b> Wenzhou University, Wenzhou, China, Supervisor: Prof. Dr. Shibei Li Thesis: “ <a href="#">Applications of machine learning in hydrogen-bond dynamics in bulk water and polymer chains’ structure factor</a> ” <b>GPA: 3.84/4.0</b>
05/2018–12/2019	Visiting student, Center of Soft Matter Physics and its Applications <b>Beihang University</b> , Beijing, China. Supervisor: Prof. Dr. Ying Jiang
09/2012–06/2016	B.S. in <b>Electronic Information Engineering</b> , China West Normal University, Nanchong, China Thesis: “ <a href="#">A CCD translation device based on Raspberry Pi</a> ” <b>GPA: 3.22/4.0</b>

## SCIENTIFIC PUBLICATIONS

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1. **Jie Huang**, Gang Huang\*, and Shibei Li\*, [A machine learning model to classify dynamic processes in liquid water](#), *ChemPhysChem* 23, DOI: 10.1002/cphc.202100599, 2021, **Cover Article**
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, DOI: 10.1063/5.0022464, 2020

## INVITED TALK

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

## WORK EXPERIENCE

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05/2018–12/2019	Visiting Student, Center of Soft Matter Physics and its Applications, <b>Beihang University</b> , Beijing, China. Supervisor: Prof. Dr. Ying Jiang 1. <b>Teaching assistant</b> for the undergraduate course “C Programming Language” 2. <b>System manager</b> of the Linux cluster at Center of Soft Matter Physics, Collaborator: <a href="#">Dr. Tao Huang</a> 3. <b>Solving diffusion equations and finding critical points</b> of polymer systems using <b>unsupervised learning</b> 4. <b>Corneal image classification</b> and keratoconus detection using <b>convolutional neural networks (CNN)</b> , Collaborator: Prof. Dr. Meixiao Shen
09/2016–04/2018	<b>Software Engineer</b> , FalconPro Technology Co., Ltd, Shanghai, China 1. <b>Image processing &amp; Barcode decoding</b> 2. <b>Embedded systems programming</b>

## AWARDS/HONOR

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- 2022 | [Cover Article](#); ChemPhysChem, Volume 23, Issue 1
- 2021 | [Outstanding Graduate](#) of Wenzhou University (only one of 65 students)
- 2021 | Award for [Excellent Scientific and Technological Innovation](#) (only one of 1176 students)
- 2020 | [National Scholarship](#) for postgraduates, Ministry of Education of China (only two of 65 students)
- 2020 | [First-grade Scholarship](#) for scientific research, Wenzhou University (only five of 65 students)
- 2018 | Award for **The Best Team Member**, Falconpro
- 2017 | Award for **The Most Creative Employee**, Falconpro
- 2015 | **National Undergraduate Electronic Design Contest (TI Cup)** [Second Prize](#)
- 2015 | **National Professional Software Engineering Design Contest (Bule Bridge Cup)** [Second Prize](#)

## CERTIFICATES

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- 2021 | IELTS ACADEMIC: [Overall Band Score 6.0](#)
- 2018 | College English Test Band 6 (CET-6): [Score 513](#)
- 2018 | MOOC certificate from Peking University: [Artificial Intelligence Practice](#)
- 2016 | edX certificate from the University of Texas at Austin: [Embedded Systems](#)
- 2015 | **National Electronics Professionals: Senior Development Engineer of MCU Application**
- 2014 | MOOC certificate from Harbin Institute of Technology: Python Programming Language
- 2014 | **National Computer Rank Examination Level 3: Embedded System Development**
- 2014 | **National Computer Rank Examination Level 2: The C Programming Language**

## SKILLS

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

## ACTIVITIES

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- 2021/11 | Teaching [“Introduction to Deep Learning”](#) for postgraduates in Physics , Wenzhou University.
- 2020/06 | Creator of the [Soft Matter Online Discussion Group](#), Wenzhou University
- 09/2019 - 11/2019 | **Teaching assistant** for “C programming language”, Beihang University
- 05/2018 - 11/2019 | **System manager** of the Linux cluster, Beihang University
- 02/2018 - now | Owner of the **Online Machine Learning Website**: [www.way2ml.com](http://www.way2ml.com)

## HOBBY PROJECTS

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2020 | [Adversarial Inverse Reinforcement Learning Implementation](#) for Mountain Car

2019 | [Steady Hand Game Device](#) Based on Raspberry Pi

2016 | [Handheld Game Console](#) Based on Texas Instruments TM4C123G

Last updated: January 5, 2022