

CV of Peisong Zhang

Gender: Male

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Education Background

Jimei University**Fujian, China****Bachelor of Science in Applied Physics***Sept 2019 - Jul 2023*

- GPA: 3.6/5.0
- Language Proficiency: IELTS 6.5 (02/2023)
- Honours and Awards:
 - “Outstanding Graduate”; “Excellent Student Cadre”; Professional Second-class Scholarship;
 - Professional Third-class Scholarship (three times);
 - “Best Paper Award” in 35th IEA/AIE;
 - Major Contributor to the open-source time series forecasting library pyFAST (to be issued)

Publications

Peisong Zhang, Zhijin Wang, Guoqing Chao, Yaohui Huang, Jingwen Yan “An Oriented Attention Model for Infectious Disease Cases Prediction”.

- Accepted by Proceedings of the 35th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IAE/EIA) on Mar 2022
- Won the Best Paper Award

Zhijin Wang; Bing Cai; Wen Yang; **Peisong Zhang**; Yaohui Huang; Jinmo Tang, “Learning High-dimensional Associations for Nonalcoholic Fatty Liver Disease Diagnosis Prediction”, (CCFC 2022)

- Accepted by The 19th IEEE International Conference on Ubiquitous Intelligence and Computing on 15th -18th Dec. 2022

Zhijin Wang, Xiufeng Liu, Yaohui Huang, **Peisong Zhang**, Yonggang Fu, “A Multivariate Time Series Graph Neural Network for District Heat Load Forecasting, Energy, JCR1, IF=8.857 *May. 21, 2023*

Zhijin Wang, Yaohui Huang, Guoqing Chao., **Peisong Zhang**, “Oriented Transformer for Infectious Disease Cases Prediction”, *Applied Intelligence(APIN)*, JCR2, IF=5.019 **(To be published in Dec 2023)**

Peisong Zhang, Zhijin Wang, Yaohui Huang, Mingzhai Wang, “Dual-grained Directional Representation for Infectious Disease Cases Prediction”, *Knowledge-based System(KBS 2022)*, CCFC, JCR1, IF=8.139 Nov. 28, 2022

Yaohui Huang, **Peisong Zhang**, Ziyang Wang, Zhenkun Lu, Zhijin Wang, “HFMD cases prediction using transfer one-step-ahead learning”, *Neural Processing Letters (NEPL)*, CCFC, JCR3, IF=2.56 *Apr. 5, 2022*

Ziyang Wang, Zhijin Wang, Yingxian Lin, Jinming Liu, Yonggang Fu, **Peisong Zhang**, Bing Cai, “Prediction of HFMD cases by leveraging time series decomposition and local fusion”, *Wireless Communications and Mobile Computing 2021* (2021), 5514743:1 - 5514743:10, JCR3, IF=2.146 *May 13, 2021*

Academic Projects

Research on Drug Screening Model Based on Multi-omics Integration*Aug 2022 - Mar 2025*

- Project Leader: Fu Yonggang
- NSF of Fujian Province of China supported by Fujian Science and Technology Department;
- Duties: Participated in the writing of the fund drafts, the production of charts and the development of some models.

Interpretability Research of Infectious Diseases Prediction

Aug 2022 - Aug 2024

- Project Leader: Wang Zhijin
- NSF of Fujian Province of China supported by Fujian Science and Technology Department;
- Duties: Involved in the writing of fund drafts, design and development of models, and papers.

Research on Several Key Technologies of Infectious Disease Prediction Based on Time Series Fusion

- Project Leader: Wang Zhijin *Jan 2021 - Dec 2023*
- Education and Research Project supported by Fujian Educational Department;
- Duties: Responsible for the writing of fund drafts, design and development of models, and papers.

Imitation Writing Robot Based on Generative Adversarial Network

Sept 2019 - Dec 2021

- Project Leader: Fu Yonggang
- Collaborative Research Program supported by Xiamen Science and Technology Department ;
- Duties: Participated in designing and developing algorithms and models and writing the fund draft.

Research on Infectious Disease Prediction and Forecasting Technology for Heterogeneous Data Fusion

- Project Leader: Fu Yonggang *Jul 2019 - Jun 2022*
- NSF of Fujian Province of China supported by Fujian Science and Technology Department;
- Duties: Involved in the writing of the fund drafts, the design and development of models, and papers.

Research on Personalized Recommendation Model for Social Influence

Apr 2018 - Apr 2021

- Project Leader: Wang Zhijin
- NSF of Fujian Province of China supported by Fujian Science and Technology Department;
- Duties: Responsible for part of the papers.

Research Funding

Period	Amount	Description	Organisation	Contest
2021-2024	80,000 RMB	NSF of Fujian Province of China	Fujian Science and Technology Department	Provincial
2021-2023	50,000 RMB	Project with Weizhi	Xiamen Weizhi Co., LTD	Industrial
2021-2023	10,000 RMB	Education and Research Project	Fujian Educational Department	Provincial
2021-2022	30,000 RMB	National Fund Cultivate Program	Jimei University	University
2021-2021	5,000 RMB	Project with Rongchang Xiamen	Rongchang Co. LTD	Industrial
2019-2021	50,000 RMB	Collaborative Research Program	Xiamen Science and Technology Department	Prefecture
2019-2021	100,000 RMB	NSF of Fujian Province of China	Fujian Science and Technology Department	Provincial
2018-2020	96,000 RMB	NSF of Fujian Province of China	Fujian Science and Technology Department	Provincial

Patents (Under reviewing)

One approach, device and storage medium to predict district heat load

A nonalcoholic fatty liver disease diagnostic model and its construction method and system

A diagnostic model of subclinical atherosclerosis and its construction method and system

Turnover of stock trading forecasting and model training method, device and medium

Internship Experiences

Intern, Xiamen Liangshang Technology Co., LTD

Jul. 4, 2022 - Aug.14, 2022

- Duties: Learned how to deploy an algorithm in a single-chip computer under the guidance of an algorithm engineer.