

Wangkai Jin

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EDUCATION

University of Nottingham, Ningbo, China

Bachelor in Computer Science with Artificial Intelligence (4+0)

Ningbo, China

2018 – 2022(*Expected*)

EXPERIENCE

Undergraduate Research Manager

Oct 2020 – Present

User-centric Computing Group at University of Nottingham Ningbo China

Ningbo, China

- Serving as the current project manager at User-centric Computing Group, an undergraduate research group focusing on digital computing technology.
- Coordinating multiple research projects in our group covering fields like Human-computer Interaction, Computer vision and Computer Architecture.

Research Intern

July 2020 – Sept 2020

National University of Defense Technology

Changsha, China

- Advised by Prof. Yaohua Wang, Computer Architecture Group,
- Developed a Convolutional Neural Network written in pure C
- Transplanted the neural network model in demo board YHFT for handwritten digital recognition
- Familiar with software pipeline and different levels of parallelism

PUBLICATIONS

- Zhentao Huang, Rongze Li, **Wangkai Jin**, Zilin Song, Yu Zhang, Xiangjun Peng, and Xu Sun. 2020. Face2Multi-modal: In-vehicle Multi-modal Predictors via Facial Expressions. In 12th International Conference on Automotive User Interfaces and Interactive Vehicular Applications (AutomotiveUI '20). <https://doi.org/10.1145/3409251.3411716>
- Yu Zhang, **Wangkai Jin**, Zeyu Xiong, Zhihao Li, Yuyang Liu, Zhentao Huang, Xiangjun Peng. 2020. Demystifying Interactions between Driving Behaviors and Styles through Self-Clustering Algorithms. in 23RD International Conference on Human-Computer Interactions (HCI'21) (accepted)
- **Wangkai Jin**, Zhihao Li & Zeyu Xiong, Xiangjun Peng. RIVULET Dataset: A Playground for Adaptive and Personalized Human-Vehicle Interaction Research. In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI'21) (Under review)
- Rongze Li, Yaohua Wang, Zhengtian Chu & **Wangkai Jin**, Xiao Hu. Temporal Convolutional Network Based Regression Approach for Estimation of Remaining Useful Life. In Proceeding of 2021 IEEE International Conference on Prognostics and Health Management(ICPHM'21) (Under review)

AWARDS

- The Head's Scholarship of University of Nottingham, Ningbo, China

Dec 2019/Dec 2020

TECHNICAL SKILLS

Languages: C/C++, Java, Python, Shell, SQL, JavaScript, HTML/CSS,

Frameworks: Torch, JUnit, WordPress

Developer Tools: Git, Vim, Eclipse, VS Code, Visual Studio, PyCharm, IntelliJ,