

# Wangkai Jin

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## EDUCATION

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### University of Nottingham, Ningbo, China

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

Ningbo, China

2018 – 2020(Expected)

## EXPERIENCE

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### Global Volunteer

*AIESEC in Ankara*

June 2019 – Sept 2019

*Ankara, Turkey*

- Attended a volunteer project about LGBT+ community and feminism
- Worked with other volunteers from 8 different countries
- Organized street interviews and interviews with LGBT communities

### Minister of Alumni Action Department in NAAN

*Nottingham Alumni Association, Ningbo, China*

Sept 2019 – June 2020

*Ningbo, China*

- Organized activities for on-campus students and alumni
- Managed alumni resources and other 22 branches over the world

### Research Intern

*National University of Defense Technology*

July 2020 – Sept 2020

*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

## PROJECTS

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### XML Generator | *Java, XML, SVN*

March 2020 – May 2020

- Developed a GUI application using Java-SWT to generate XML configuration files for battery cupboards for Hangzhou Niuchuang Electronics Co. LTD

### Xiaobai Assistant | *Linux, Python, Shell, Raspberry Pi*

Jan 2020 – Present

- Implemented an intelligent robot library on Raspberry Pi
- Implemented face detection technology on Raspberry Pi

## PUBLICATIONS

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- 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. BROOK Dataset: A Playground for Enabling 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 and **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

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- The Head's Scholarship of University of Nottingham, Ningbo, China Dec 2019

## TECHNICAL SKILLS

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

**Frameworks:** Torch, JUnit, WordPress

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