Yang XIAO
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Education Background

09/2016-06/2020   Jilin University, China 985 and 211 project

Major: Internet of Things Engineering   Degree: Bachelor of Engineering (07/2020)

Core syllabus: Fundamentals of Engineering, Object-oriented Program Design, Data Structure, Java Programming, Computer System Structure, Micro-Computer Technology and Application, Computer Network, Design of Embedded System, Linux Practice, Analysis and Design of Algorithms, Advanced Math, Discrete Math, Sensor Technology, Wireless Sensor Network A, Wireless Network Technology;

07/2018-08/2018 Kwansei Gakuin University, Japan

Short-term Summer Exchange Study

Publications

10/2019 Research on Vision Sharing Method of Network Robot Based on Deep Learning

Published in the International Conference on Application of Intelligent Systems in Multi-modal Information Analytics; indexed by EI;

Professional Experience

07/2020   China Mobile (Chengdu) Industry Research Institute

Java software development engineer(SP Offer)

Participate in the company's core business system demand analysis, planning, system design, and bottom R & D;

Responsible for coding and document writing of each application module;

In charge of daily iterative upgrade of the architecture, ensuring service quality, and being able to design and implement highly available architecture solutions;

Participate in the system's highly concurrent transformation and performance tuning, complete the debugging and testing of target products, and provide support for project implementation.

Research Experience

09/2019-06/2020 Joined in the Intelligent Information Processing Lab and will have another publication;

04/2019-10/2019   First Author in *Research on Vision Sharing Method of Network Robot Based on Deep Learning*

Accomplishments: as first author, thesis was published in the International Conference on Application of Intelligent Systems in Multi-modal Information Analytics, will indexed by EI in 2020

Details: consulted references, chose appropriate deep learning database; data packaging, network construction, visual view of loss function, model loading, test image reading, variable control, analysis of appropriate visual sharing algorithm; writing research papers and summary reports;

05/2019-07/2019 Team Leader in 2019 HUAWEI CUP National Undergraduate IOT Design Contest

Accomplishments: 2nd Prize in Northeast Region, China

Details: coordinated with teammates to maintain smooth progress of this design; conducted research and development of the lab management and supervision system based on Niagara; multi-sensor information fusion; wrote a modbus protocol translator; setting up logic circuit for controlled devices; realization of graphical programming on Niagara;

11/2018-04/2019 Team member in Group-attention Based Neural Machine Translation

Details: proposed a new brand model based on transformer using Group attention layers and group position embedding; combined the algorithm in computer vision(CV) and NLP; set up model, optimized algorithms, R&D of software, adjusted parameters and models, composed thesis;

04/2018 App development of Students' Selection System on Android and IOS;

Role: Team Leader

09/2017-11/2017 joined in the Gesture Recognition based on Kinect, successfully researched the Image Enhancement Algorithm, enabling robots to fulfill his tasks according to gestures

09/2016-06/2017 Patients' Information Management System

Role: Team Leader

Internship Experience

07/2019-08/2019 Hefei Jiada Technology Co.,Ltd.,   *Intern*

R&D of algorithms and natural language processing, keyword extraction in search engines

03/2019 Enterprise Training Of Neusoft   *Front-end Developer*

Engaged in upper computer programming based on QT; realized clock control in lower computer; collected and displayed parameters of temperature, humidity and lamination; set and reminded alarm threshold of temperature, humidity and lamination etc.;

Honors

06/2020 2019-2020 College Outstanding Student Leaders

06/2020 2019-2020 Jilin University Academic Science and Technology Scholarship

Extracurricular Activities

10/2019 Network and IT Division Head, Leap promotion association;

07/2018-07/2019 P.E. Division Head, Student Union

07/2018-07/2019 Basketball Team Leader

Others

Language skill: native in Chinese, fluent in English and Japanese(N2), rudimentary in Russian;

Computer skill: proficient in MS suites, java programming, network debugging and etc.;

Hobbies: Basketball, karate;