

Curriculum Vitae

PERSONAL INFORMATION

Name: Meixia Yang DOB: Jan 3rd
Gender: Female Nationality: China
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EDUCATION

Yunnan university	2011-2015
School of Information Science and Engineering	
Major: Communication Engineering	
Degree: Bachelor	

SHORT BIOGRAPHY

- ✧ Having experience in deep learning: I have experience to develop CNN and LSTM networks for modulation classification using tensorflow and keras.
- ✧ Five years of software developing experiences: sensor data processing and web application
- ✧ Healthcare-related skills: work with wearable devices where I can acquire and process sensing data. Furthermore, I can help to develop healthcare web applications.
- ✧ Ability to work independently and learn things fast: I learned and built an Openstack cloud platform within one week by reading documents from <https://www.openstack.org/>. At the same time, to realize microservice-based service, I try myself to learn Kubernetes and docker. And now the Kubernetes and OpenStack platform have been running steadily for one year.
- ✧ I have passion for healthcare-related domain and want to help people in need.

PROFESSIONAL EXPERIENCE

Kunming Spectrum Research Technology Co.,Ltd. 2016-2019

As the main technical director, I participated in the first and second phases of the border radio monitoring projects

1. the border radio monitoring system

- ✧ Data collection and processing at the sensor node (RSA306), and expose the processing results as web API . (python, django)
- ✧ Front-end logic development and web app design (java, springmvc, js, html, css)
- ✧ The design and construction of the VPN network of radio monitoring system.

The system is deployed in Honghe Hani Yi Autonomous Prefecture, Yunnan Province. The system has been running steadily for three years.

01/2016-06/2017

2. Graduate Education Achievement Award Reporting System

This system is developed for School of public administration from Yunnan University using java. Her responsibility is the creation and maintain of website.

2018

3. Intelligent border radio monitoring system

- ✧ Building Openstack platform. In the openstack cluster, kubernetes cluster, spark and hadoop cluster are built.
 - ✧ Data collection and processing at the sensor node (SDR device), and expose the processing results as web API . (python, django)
 - ✧ Building a real-time FM radio player using websocket.
 - ✧ The design and construction of the VPN network of radio monitoring system
- The Openstack cloud platform has been running steadily for a year.

09/2018-12/2019

Institute of High Performance Computing, Singapore

Research assistant

- ✧ Big shipping log data management. Her main responsibility is developing web app to manage and access shipping log data stored in Elasticresearch.

01/2020-now

PUBLICATIONS

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- [1] **Yang, M. X.**, Huang, M., & Yang, J. J. (2015a). A portable radio monitoring device. China Patent 201520653554.1, 11 Nov.
- [2] Huang, M., **Yang, M. X.**, Lu, Q. N., Tang, H., & Yang, J. J. Intelligent radio monitoring method and system based on REST. China Patent. 201710602752.9, 17 Jul.
- [3] Huang, M., Yang, J. J., **Yang, M. X.**, Lu, Q. N., & Tang, H. Radio monitoring device integrated with antenna and receiving module. China Patent. 201720216269.2, 17 Mar.
- [4] **Meixia Yang**, Zhe Xiao. A modular spectrum sensing node for Resources-Oriented Radio Monitoring. [under review]
- [5] automatic spectrum monitoring using unsupervised learning. [prepare for submission]

EXPERIENCES:

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- ✧ **Volunteer in Yunnan Jiaxin Community Child Rescue Service Center** 2017
To play with children and Tutoring their homework

RESEARCH EXPERIENCE:

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- ✧ I trained CNN, LSTM network for modulation classification using keras. Furthermore, to improve the performance, I propose a CNN+attention network , which significantly reduce the training time.

SKILLS:

Programming language:

Python; Java; Javascript; CSS; HTML; Labview; Matlab

English Proficiency:

CET-6(513); PETS level 5

Professional Certificates:

Qualification Certificate of Computer and Software Technology Proficiency (Network Engineer)

HOBBIES:

Volleyball: Main volleyball players, and won the second prizes of university in 2015

Yoga: I've been practicing yoga for five years