

Bingjie Yan

SOFTWARE ENGINEER · BIG DATA

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“Sometimes it's the very people who no one imagines anything of who do the things that no one can imagine.”

Education

School of Computer Science and Cyberspace Security

Hainan, China

B.S. IN SOFTWARE ENGINEERING BIG DATA

Sept. 2018 - Exp. Jul. 2022

- Got the honorary title of Hainan University Triple Good Student
- Got the first-class comprehensive scholarship of Hainan University
- Got the Outstanding Volunteer Service Model of Hainan University

Skills

Programming C/C++, Python, JAVA, MySQL, LaTeX

Web HTML5, JavaScript, JSP

BigData Hadoop, HBase, Hive, ZooKeeper

Machine Learning Pytorch, TensorFlow, OpenCV

Experience

Undergraduate Innovation and Entrepreneurship Project

Hainan, China

PRINCIPAL & MEMBER

Mar. 2020 - PRESENT

- Research on the new coronavirus CXR medical image recognition system based on the framework of federated learning
- Design of underwater sightseeing robot based on ROV technology and realization of its VR real-time viewing function

Extracurricular Activity

Young Volunteers Association of the School of Computer and Cyberspace Security, Hainan University

Hainan, China

MINISTER OF INFORMATION AND PUBLICITY

Sept. 2019 - Jul. 2020

- Gained job scheduling ability.
- Participate in and organize many volunteer activities.

Cyberspace Security Association of Hainan University

Hainan, China

VICE PRESIDENT

Sept. 2019 - Jul. 2020

- Learned network security, network attack and defense related knowledge.

Robotics and Artificial Intelligence Association of Hainan University

Hainan, China

VICE PRESIDENT

Jul. 2020 - PRESENT

- Gained competition organization and planning skills.
- Learned about machine learning.

Honors & Awards

INTERNATIONAL

2017 **Silver Prize**, Asia-Pacific Informatics Olympiad

Beijing, China

DOMESTIC

2019 **First Prize**, The 3rd Silk Road Robotics Innovations Competition

Xi'an, China

2020 **Third Prize**, The 10th MathorCup College Mathematical Modeling Challenge

Shanghai, China

Paper

Encryption Algorithm for TCP Session Hijacking

ICAIS2020

THIRD AUTHOR

2019

- Using SHA-256 encryption to prevent session hijacking.

An Improved Method for the Fitting and Prediction of the Number of COVID-19 Confirmed Cases Based on LSTM

Computers, Materials & Continua

Vol.64, No.3, 2020

FIRST AUTHOR

2020

- Forecast of the number of new confirmed cases at different stages of the epidemic based on LSTM.