

Zijie Huang

Contact Information

Innovation phase A1
University of Exeter
Exeter, EX4 4PY
E-mail: Z.Huang6@exeter.ac.uk
Webpage: <http://zijiehuang.github.io>

Research Interests

Transparency, Fairness, and Safety in Artificial Intelligence (AI)
Digital-twin assisted ethical-embedded autonomous vehicles decision-making

Education

University of Exeter, UK *9/2020 - currently*
Ph.D. in Computer Science

Fujian Normal University, China *9/2016 – 6/2020*
B.Eng. in Network Engineering

Academic & Professional Experience

Transport Research Lab Software *01/2022 - 08/2022*
Alan Turing Intern

University of Exeter *01/2021 - currently*

- Master research project supervisor
 - Explainable machine learning for firewall configuration
 - Explainable machine learning for DDoS Botnet attack on IoT devices
- Postgraduate Teaching Assistant for modules:
 - ECM 3408 Enterprise Computing
 - ECM 2414 Software Development
 - ECM 1414 Data Structure and Algorithm
 - ECM 2433 The C Family

Fuzhou Yuke Information Technology Co.,Ltd. *09/2019 - 12/2019*
Front-end development Intern

Publications

An energy-efficient and trustworthy unsupervised anomaly detection framework (EATU) for IIoT
ACM Transactions on Sensor Networks 18 (4), 1-18, 2022

A Survey on Explainable Anomaly Detection for Industrial Internet of Things
2022 IEEE Conference on Dependable and Secure Computing (DSC)

Honors & Awards

The Third Prize of 9th National College Student Electronic Business Challenge Competition Provincial Selection *2019*

Merit Prize of 4th Fujian Provincial High School Network Space Security Competition *2018*