

SIXUAN DANG

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Institute for Cyber Security, School of Computer Science and Engineering
University of Electronic Science and Technology of China
Chengdu, Sichuan, PRC, 610054

AREA OF INTEREST

Security & Privacy, Blockchain, Services Computing, Smart Contract, Mechanism Design

EDUCATION

University of Electronic Science and Technology of China 2019 - Present

M.S. in Software Engineering

School of Computer Science and Engineering

Thesis: Research on Personal Credit Construction based on Blockchain

University of Electronic Science and Technology of China 2015 - 2019

B.Eng. in Software Engineering

School of Information and Software Engineering

Thesis: Research on Document Template Generation Software based on Natural Language Processing

PUBLICATIONS

Dynamic Incentive Mechanism Design for Regulation-Aware Systems 2021

S. Dang, S. Cao, J. Li, X. Zhang

JCR: Q1

International Journal of Intelligent Systems

IF: 8.709

Regulation-as-a-Service: Model Checking for Decision-Making Behaviors in Price-Sensitive Service Systems 2021

S. Dang, S. Cao

Code: [Github](#)

IEEE International Conference on Services Computing (SCC 2021)

A Blockchain-based Access Control and Intrusion Detection Framework for Satellite Communication Systems 2021

S. Cao, S. Dang, Y. Zhang, W. Wang, N. Cheng

JCR: Q2

Computer Communications

IF: 3.167

An Electric Vehicle Charging Reservation Approach Based on Blockchain 2020

S. Cao, S. Dang, X. Du, M. Guizani, X. Zhang, X. Huang

IEEE Global Communications Conference (Globecom 2020)

PATENTS

Routing Node Selection Method and Apparatus for Cross-Blockchain Transaction Pending

S. Cao, Q. Zhang, G. Xiong, S. Dang, R. Chen, T. Chen, X. Zhang

2021

China National Intellectual Property Administration (CN202110942516.8)

Insurance Compensation Apparatus and Method based on Hybrid Smart Contracts Pending

S. Cao, Q. Zhang, S. Dang, G. Xiong, H. Chen, J. Yang, S. Niu, Z. Yang

2021

China National Intellectual Property Administration (CN202110835114.8)

An Incentive Mechanism Method for Decision-Making Pending

S. Cao, S. Dang, Q. Zhang, G. Xiong, J. Yang, H. Chen, S. Niu, Z. Yang

2021

China National Intellectual Property Administration (CN202110835181.X)

TEACHING ASSISTANT

Data Structure and Algorithm Design (Undergraduate Student)

2020 Spring

- Evaluate student's implementation of algorithms
- Help them solve problems in their code
- Answer their questions

Network Programming and Blockchain (International Student)

2020 Spring

- Teach students' how to complete the course assignments and projects
- Answer their questions about socket programming and blockchain
- Teaching with English

PRESENTATIONS & TALKS

Regulation-as-a-Service: Model Checking for Decision-Making Behaviors in Price-Sensitive Service Systems (Conference Contribution)

September 2021

IEEE International Conference on Services Computing (SCC 2021)

Security for Blockchain-based Satellite Communication (Invited Talk)

December 2020

Annual Symposium of Blockchain Storage and Trade Engineering Laboratory of Sichuan Province

INTERNSHIP

Chengdu Huayp Co., Ltd

2019/03 - 2019/06

Software Engineer

- Understand basics of natural language processing
- Design and implement a legal document template generation system based on NLP

Chengdu Tianheng-uestc Co., Ltd

2018/06 - 2018/09

Full-stack Engineer

- Learn to employ Springboot to build website
- Design and implement the security module of the company's core product with Apache Shiro
- Design and implement a document consistency and correctness checking system

SI-TECH Information Technology Co.,Ltd

2017/06 - 2017/07

Full-stack Engineer

- Design and implement an online music streaming website with native Java servlet and jsp
- Design and implement a distance-based music recommendation system

AWARDS & HONORS

Outstanding Graduate from Sichuan Province

2021

Outstanding Graduate from UESTC

2021

National Scholarship from Ministry of Education of China (ranked 4/13)

2021

The First Prize Scholarship from UESTC (ranked 1/256)

2021

The Third Prize Scholarship from UESTC

2019

REVIEWER

Computer Communications, International Journal of Intelligent Systems

SKILLS

Programming languages:

Java, C, Python, Solidity, Go, L^AT_EX, JavaScript, HTML, SQL

Developing tools and frameworks:

Linux, Git, Hyperledger, Springboot, Vue, MySql

Languages:

Chinese (native), English (fluent).