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

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, doi: 10.1016/j.comcom.2021.03.023 — 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), doi: 10.1109/GLOBECOM42002.2020.9322093

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

The Third Prize Scholarship from UESTC *2019*

AREA OF INTEREST

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

REVIEWER

Computer Communications, International Journal of Intelligent Systems

SKILLS

Programming languages:
Java, C, Python, Solidity, Go, LaTeX, JavaScript, HTML, SQL

Developing tools and frameworks:
Linux, Git, Hyperledger, Springboot, Vue, MySql

Languages:
Chinese (native), English (fluent).