

# SIXUAN DANG

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Institute for Cyber Security, School of Computer Science and Engineering  
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Chengdu, Sichuan, PRC, 610054

## EDUCATION

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**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

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**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](https://doi.org/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](https://doi.org/10.1109/GLOBECOM42002.2020.9322093)

## TEACHING ASSISTANT

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**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

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**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

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**Chengdu Huayp Co., Ltd**

*2019/03 - 2019/06*

*Software Engineer*

- Understand basics of natural language processing
- Design and implement 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 identification 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

## AWARDS & HONORS

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**The Third Prize Scholarship** from UESTC

*2019*

## AREA OF INTEREST

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

## SKILLS

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**Programming languages:**

Java, C, Python, Solidity, Go, L<sup>A</sup>T<sub>E</sub>X, JavaScript, HTML, SQL

**Developing tools and frameworks:**

Linux, Git, Hyperledger, Springboot, Vue, MySql

**Languages:**

Chinese (native), English (fluent).

## EXTERNAL REVIEWER

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Computer Communications, International Journal of Intelligent Systems