



SONGYUAN LI

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ACADEMIC INFORMATION

B.Eng Candidate of Computer Science **Anticipated Completion: June 2018**

Beijing University of Posts and Telecommunications (BUPT), China.

Overall GPA: 85.87/100 **Ranked 60th within 311 students (top 20%)**

Exam-free recommended to Master's degree graduate

Major Courses: Operating System 90, Principles of Database Systems 89, Computer Networks 88, Algorithms and Data Structures 87, Computer Architecture 86, etc.

PROFESSIONAL EXPERIENCE

Research Assistant

March 2016 – present

Network Service Foundation Research Center,

State Key Laboratory of Networking and Switching Technology, BUPT.

Advisor: Assistant Professor Jiwei Huang.

Research Fields: Performance Evaluation and Optimization; Service Computing.

Participation:

- Formulating the dynamic process of IoT services with stochastic modeling approach.
- Analyzing various QoS attributes of IoT services based on the established model.
- Designing optimizing algorithm which balances the tradeoff between QoS attributes.
- Validating the effectiveness and efficiency of our approach through simulations.

PUBLICATIONS

- **Songyuan Li**, and Jiwei Huang. "GSPN-Based Reliability-Aware Performance Evaluation of IoT Services", in the 2017 IEEE 14th International Conference on Services Computing (SCC 2017), June 27-30, 2017, Honolulu, Hawaii, USA. (EI)
- **Songyuan Li**, and Jiwei Huang. "Energy Efficient Resource Management and Task Scheduling for IoT Services in Edge Computing Paradigm", in the 15th IEEE International Symposium on Parallel and Distributed Processing with Applications (ISPA 2017), December 12-15, 2017, Guangzhou, China. (EI)
- Jiwei Huang, **Songyuan Li**, Ying Chen, and Junliang Chen. "Performance Modeling and Analysis for IoT Services", International Journal of Web and Grid Services (IJWGS), vol. 14, no. 2, 2018. (SCI)

TECHNICAL SKILLS

Operating Systems: Unix/Linux, Windows.

Programming Languages: C, C++, Java, MATLAB, SQL, Linux Shell, LaTeX.

AWARDS

- **Sept 2016:** First Prize in China Undergraduate Mathematical Contest in Modeling (Beijing Region).