



Curriculum Vitae

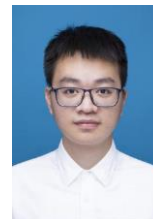
Yue Zeng(曾悦)

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Research Interests

- Network function virtualization
- Machine learning
- Edge computing
- Software defined networks

Education Experience

- 2019.09 - Today Nanjing University Ph. D.
College of Computer Science and Technology
See Appendix A for course scores
- 2016.09 - 2019.06 Southwest University Master
College of Electronics and Information Engineering
See Appendix B for course scores, GPA: 3.65/5
- 2012.09 - 2016.06 Chongqing Three Gorges University Undergraduate
College of computer science and Engineering
See Appendix C for course scores, GPA: 3.48/5

Publications

- [1]. **Yue Zeng**, Baoliu Ye, Bin Tang, Songtao Guo, and Zhihao Qu, "Scheduling Coflows of Multi-stage Jobs under Network Resource Constraints", **Computer Networks**, 2021. (CAS/JCR-3, CCF-B, IF:3.111)
- [2]. **Yue Zeng**, Songtao Guo, and Guiyan Liu, "Energy-efficient Device Activation, Rule Installation and Data Transmission in Software Defined DCNs", **IEEE Transactions on Cloud Computing**, 2019. (CAS/JCR-2, CCF-C, IF:4.714) (Early Access)

- [3]. **Yue Zeng**, Songtao Guo, and Guiyan Liu, "Comprehensive Link Sharing Avoidance and Switch Aggregation for Software-Defined Data Center Networks", **Future Generation Computer Systems**, 2019. (CAS/JCR-1, CCF-C, IF:6.125)
- [4]. Yifu Yao, Songtao Guo, Guiyan Liu, Pan Li, and **Yue Zeng**, "Forecasting assisted VNF scaling in NFV-enabled networks", **Computer Networks**, 2020. (CAS/JCR-3, CCF-B, IF:3.111)
- [5]. Pan Li, Songtao Guo, Chengsheng Pan, Li Yang, Guiyan Liu, and **Yue Zeng**, "Fast Congestion-free Consistent Flow Forwarding Rules Update in Software Defined Networking", **Future Generation Computer Systems**. (CAS/JCR-1, CCF-C, IF:6.125)
- [6]. Liang Liu, Songtao Guo, Guiyan Liu, and **Yue Zeng**, "Priority-based online flow scheduling for network throughput maximization in software defined networking", **Concurrency and Computation: Practice and Experience**. (CAS/JCR-4, CCF-None, IF:1.447)
- [7]. Yong Pan, Yongtao Ma, Jiang Xiong, Ziyi Hou, and **Yue Zeng**, "A Compact Antenna with Frequency and Pattern Reconfigurable Characteristics", **Microwave & Optical Technology Letters**, 2015. (CAS/JCR-4, CCF-None, IF:0.948)

Foundations

- 1. National Natural Science Foundation of China, 61373178, Energy-efficient data management supported by advanced optical data center network for green cloud computing, 2014/01-2017/12, completed, participated.
- 2. National Natural Science Foundation of China, 61373179, Research on energy distribution and mobile data collection mechanism of rechargeable sensor networks based on optimized collaboration, 2014/01-2017/12, completed, participated.
- 3. National Natural Science Foundation of China, 61772433, Research on Network Architecture and Multicast Scheduling Strategy of Software-Defined Data Center Based on Virtual Technology, 2018/01-2021/12, completed, participated.
- 4. National Key R&D Program of China, 2018YFB1004704, Research on cloud fusion theory and key technology based on edge computing, National Natural Science Foundation of China, 2018/01-2021/12, completed, participated.
- 5. National Natural Science Foundation of China, 61832005, Research on cloud fusion theory and key technology based on edge computing, National Natural Science Foundation of China, 2019/01-2023/12, participated.

Awards and Honors

- Ph. D.
 - ✧ Second-class scholarship (2/3), Nanjing University, 2020, 2021
 - ✧ Third-class scholarship (1/3), Nanjing University, 2019
 - ✧ Second-class Doctoral Scholarship for Excellent Talents, Nanjing University, 2021

- ✧ Outstanding Graduate Student, Nanjing University, 2021
- Master
 - ✧ First-class scholarship (2/3), Southwest University, 2018, 2017
 - ✧ Second-class scholarship (1/3), Southwest University, 2016
 - ✧ Merit Student (2/2), Southwest University, 2018, 2017
 - ✧ Social Work Award (2/2), Southwest University, 2018, 2017
 - ✧ Excellent Graduates, Southwest University, 2019
- Undergraduate
 - ✧ First-class scholarship (5/7), Chongqing Three Gorges University, 2013-2016
 - ✧ Second-class scholarship (2/7), Chongqing Three Gorges University, 2014, 2015
 - ✧ National Inspirational Scholarship, Chongqing Municipal Education Commission, 2013
 - ✧ Merit Student (2/2), Southwest University, 2013
 - ✧ Excellent Graduates, Southwest University, 2016

IT skills、Language

- Language: CET-6 (444)
- Programming: Python, C/C++, C#, Java, SQL server
- Software Tools: LaTeX, Gurobi, MATLAB, Sublime3, Eclipse, RYU, VScode, PyCharm

Appendix A

Curriculum Score			
计算机科学技术进展	95	中国马克思主义与当代	95
博士英语	76		

Appendix B

Curriculum Score			
第一外国语（英语）	90	情感计算与智能信息处理	96
矩阵论	71	模式识别	91
人工神经网络	89	无线传感器网络	86
现代数字信号处理	87	下一代无线通信	88
非线性系统与电路	84		

Appendix C

Curriculum Score			
C 语言程序设计	79	嵌入式系统开发	89
大学英语 I	94	无线传感器网络	95
高等数学(上)	61	物联网信息处理	77
计算机导论	83	Visual FoxPro 数据库与程序设计 (R)	优秀 (95)
物联网技术导论	71	单片机 C 程序设计及应用 (R)	90

大学英语 II	82	数字电子技术	85
电路理论	79	面向对象程序设计	93
高等数学(下)	80	数据结构	92
大学英语III	73	信息系统集成技术	94
数据库原理	84	IT 新技术	81
传感器原理及设计	92	无线通信技术及应用	94
大学英语IV	77	基于 PIC 的嵌入式开发	94
计算机网络	77	C/C++课程设计	98
模拟电路	88	电子电路课程设计	80
通信原理	82	数字集成电路设计	95
TINY OS 操作系统及其在物联网中的应用	98	传感器技术课程设计	96
微机原理及应用	69	物联网工程实践 1-自由组网 综合技能训练	96
信号与系统	73	嵌入式系统开发	97
计算机操作系统	91	物联网工程实践 2-应用设计 综合技能训练	97
嵌入式 C 语言程序设计	99		

