QUN WANG

175 E 1000 N ,APT 1, Logan, Utah, 84321
(+1)4353130452 ⋄ claudqunwang@gmail.com

EDUCATION

Utah State University *August 2016 - Present*
PhD in Electrical Engineering
Electrical & Computer Engineer Department 3.85 /4

Xidian University, China *August 2013 - March 2016*
Master of Electrical Engineering
Electrical and Communications Engineering 83.33 /100

Shaanxi University of Technology, China *August 2009 - March 2013*
Bachelor of Science, Physics
College of Physics and Telecommunications Engineering 76.5 /100

CARRIER OBJECTIVE

To work with Facebook Connectivity team which provides me with the opportunity to improve my skills and knowledge in control and optimization to grow along with them to brings everyone to Internet.

PROJECTS

Research in Communication Innovation Lab
Research on resource allocation in mobile edge computing and related theories for different objectives, such as NOMA, MINO, fairness, wireless energy harvesting, and intelligence reflecting surface.

Wireless Router Design
Led and participated in the development of a campus wireless router. The router has a campus network dial-up, wireless relay, APP management, and other functionalities, based on OpenWrt .

Design and Test of Wireless Network Coverage
Participated in the 2014 Passenger Train Wifi System Testing held by China Academy of Railway Sciences, which aims to provide 2.4G and 5.8G wireless access to the high-speed train. Designed the network topology structure. (Used WDS, WMN and Power Line Carrier Communication and found the best combination to aggregate the different service networks, quickly hand-off.)

Development of Wireless Mesh Network Protocols
Worked in the State Key Laboratory of Integrated Services Networks(ISN) to develop a wireless mesh network(WMN) protocol. Analyze to improve the multi-hop network throughput, and combine a network coding method with WMN.

ACADEMIC ACHIEVEMENTS

2015.09 Won Second Prize of Shaanxi Division of China Innovation and Entrepreneurship Competition.

2013-2015 The First-Class Scholarship.

2013-2014 Excellent Graduate Student Award.

PUBLICATIONS

Q. Wang and F. Zhou, "Fair resource allocation in an MEC-enabled ultra-dense IoT network with NOMA," *Proc. 2019 IEEE ICC Workshops*, Shanghai, China, 2019, pp. 1-6.

Q. Wang, L. T. Tan, R. Q. Hu, and G. Wu, "Hierarchical collaborative cloud and fog computing in IoT networks," *Proc. 2018 WCSP*, Hangzhou, 2018, pp. 1-7.

H. Sun, Q. Wang, S. Ahmed, and R. Q. Hu, "Non-orthogonal multiple access in a mmWave based IoT wireless system with SWIPT," *Proc. 2017 IEEE VTC Spring*, Sydney, NSW, 2017, pp. 1-5.

H. Sun, Q. Wang, R. Q. Hu, and Y. Qian, "Outage probability study in a NOMA relay system," *Proc. 2017 IEEE WCNC*, San Francisco, CA, 2017, pp. 1-6.

WORK EXPERIENCE

Shaanxi SharpenTec Company, China May 2015
Software Development Project Manager

· Lead and participate in different wireless network deployment project design.

TECHNICAL STRENGTHS

Resource Allocation Optimization	Utah State University, Utah
Network Protocol Design	Xidian University, China
Software & Tools	Matlab, Latex, Tableau, Dreamweaver.

PERSONAL TRAITS

Highly motivated and eager to learn new things.

Strong motivational and leadership skills.

Ability to work as an individual as well as in group.