

ZIXI HUANG

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EDUCATION

Columbia University <i>M.S. in Electrical Engineering</i>	New York, NY Sept 2017 - Dec 2018
Wuhan University <i>B.S. in Electronic Information Engineering</i>	Wuhan, CN Sept 2013 - Jun 2017
Outstanding Engineer Class (selected top 10%), GPA: 3.7/4.0 (top 5%), In-Major GPA: 3.8/4.0 (top 3%)	

EXPERIENCE

Wuhan University, Smart Charging Network for Electric Vehicles Extracurricular Research Project funded by Wuhan University (No. S2015759)	Wuhan, CN Mar 2015 - Mar 2016
Software Captain <ul style="list-style-type: none">• Pioneered “NearCharge” Android app with Java and cloud server with Python offering Battery-Aware Routing, Real-Time Task Scheduling, Charging Station Recommendation and Remote Control Charger for electric vehicle• Designed a dynamic QR code generator with QT on ARM embedded Linux system enabling responsive Remote Control Charger, personalized intuitive time & cost estimation and periodically data transfer	
Wuhan University, Smart Charging Network Management National Entrepreneurship Project funded by the Ministry of Education of China (No. 201610486142)	Wuhan, CN Mar 2016 - Jun 2017
Principle Investigator <ul style="list-style-type: none">• Innovated energy-aware real-time task scheduling algorithm for electric vehicles based on Ant Colony Algorithm and Principal Component Analysis reducing 20% energy consumption with time increased within acceptable range• Established dynamic statistical timing model for Charging based on Queuing Theory and refined parameters with recurrent neural networks introduced spatial temporal model predicting charging and queuing time within 5% error	
Wuhan University, Low-Frequency Electronic Circuits (6 credits, 144 hours)	Wuhan, CN Sept 2015 - Jan 2016
Teaching Assistant <ul style="list-style-type: none">• Conducted seminars and experiments, graded homework, provided feedback for 150 students in 3 classesAwards: 1st Prize, National Undergraduate Electronics Design Contest, Department of Higher Education	
Wuhan University, Object-Oriented Programming (3 credits, 54 hours)	Wuhan, CN Mar 2016 - Jul 2016
Teaching Assistant <ul style="list-style-type: none">• Composed keys to exams and experiments for 8 chapters 30 problems with over 11000 lines of code• Guided C++ & MFC experiments and lectured Q&A sessions for about 100 students in 2 classes weekly	
Wuhan University, Low-Frequency Electronic Circuits (6 credits, 144 hours)	Wuhan, CN Sept 2016 - Jan 2017
Teaching Assistant <ul style="list-style-type: none">• Diagnosed homework and facilitated laboratory for 72 students in Outstanding Engineer Class weekly• Designed and presented Q&A sessions weekly and short in-class lecture on special topics twice a week	

LEADERSHIP

Wuhan EV Smart Charging Network Co., Ltd. CEO, Founder	Wuhan, CN Feb 2015 - Jun 2017
<ul style="list-style-type: none">• Received by vice premier Liu Yandong as winner representative in the First China “Internet Plus” Innovation and Entrepreneurship Competition for College Students (10/57253, top 0.02% nationwide)• Established demonstrative smart charging network of 108 charging points and 3 stations in Wuhan• Led five-member team with incubation in Innovation and Entrepreneurship Practice Center (top 5%)	
Wuhan University, Electronic Information School Mentor Assistant	Wuhan, CN Dec 2015 - Jun 2017
<ul style="list-style-type: none">• Conducted class meeting of 43 students monthly and mentored 15 students in daily scientific research• Administered 43 students academically and facilitated class with “Golden Stone Class” (2/30)	
Scholarship winner rate: 31% much higher than others, 2 students achieved National Scholarship (2/6)	
Wuhan University, Outstanding Engineer Class Vice President	Wuhan, CN Sept 2016 - Jun 2017
<ul style="list-style-type: none">• Organized basketball match and conducted class meeting of 35 students monthly• Lectured and proofread scientific writing for 5 papers and 27 patents and provided individual feedback	

PUBLICATIONS

Patents (10 in total, advisor: Gao Xun)	
[1] Gao Xun, Huang Zixi , Zhang Qian <i>et al.</i> An electric vehicle range optimization device and methods. Patent No. 201510408410.4. November 2015	
[2] Gao Xun, Zhang Qian, Huang Zixi <i>et al.</i> An electric vehicles priority-based scheduling system and methods. Patent No. 201510408420.8. September 2015	
Conference (Invited talk)	
[1] Gao Xun, Huang Zixi , <i>et al.</i> Smart Charging Network for Electric Vehicles. 11th Annual Scholar Conference of China Institute of Communication. Nanchang, China, October 2015	

AWARDS

• National Golden Award (10/57253, top 0.02% nationwide)	2015
• First China “Internet Plus” Innovation and Entrepreneurship Competition for College Students	
• Winner Representative, Received by Vice Premier Liu Yandong (the only undergraduate)	2015
• First Prize, 9 th National Conference of Undergraduate on Innovation and Entrepreneurship (top 0.1%)	2016
• First Prize, Wuhan University Student Innovation Exposition (top 0.1%, 10 in university)	2016
• Huang Zangren Scholarship, Wuhan University (top 1%, 2 in school)	2015
• First Class Scholarship, Wuhan University (6/380, top 1%)	2016
• Second Class Scholarship, Wuhan University (11/380, top 3%)	2015
• Triple-A Student, Wuhan University (top 5%)	2014, 2015, 2016