

# Hongliang Qian

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105 South Mathews Avenue, Urbana, IL

## EDUCATION

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08/2015 – Present      **University of Illinois Urbana-Champaign    Mechanical Engineering    GPA 4.0/4.0**  
Research Assistant of Air Conditioning and Refrigeration Center (ACRC)

09/2012 - 07/2015      **Zhejiang University      Energy Engineering      GPA 3.92/4.0**  
Ranked the 4th among 155 people in my major (first two years)

## HONORS

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- 2016      • Zhejiang Outstanding Graduates (The highest honor for graduates in Zhejiang)
- 2014      • National Scholarship
- 2014; 2013      • First-Class Scholarship for Outstanding Students and Merits
- 2014; 2013      • Excellent All-round Student
- 2014      • Third-Class Prize in 9th “Challenge Cup” College Student's Business Planning Competition, Zhejiang Province

## RESEARCH AND INTERNSHIP

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01/2016 – Present      **Research Assistant of Air Conditioning and Refrigeration Center (ACRC)**  
Department of Mechanical Science and Engineering  
University of Illinois at Urbana-Champaign  
**Project:** Void fraction in headers

10/2015 – 01/2016      **Independent Study**  
Department of Mechanical Science and Engineering  
University of Illinois at Urbana-Champaign  
**Project:** Droplets size distribution when condensing on Super-hydrophobic Surfaces.

06/2014 - 07/2015      **Student Research Training Program (SRTP)**  
Institute of Thermal Science & Power System, Zhejiang University  
**Project:** Key technologies of waste heat recovery in vertical arranged sinter coolers.

07/2014      **Internship**, Zhejiang Electrical Power Corporation, Zhejiang, China

## PUBLICATIONS

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2016      *Wall effects on the pressure drop in packed beds of irregularly shaped sintered ore particles.* Fu-You TIAN; Lian-Feng HUANG; Li-Wu FAN; **Hong-Liang QIAN**

2014      *Pressure drop in a packed bed with sintered ore particles as applied to sinter coolers with a novel vertically arranged design for waste heat recovery.* Fu-You TIAN, Lian-Feng HUANG, Li-Wu FAN, **Hong-Liang QIAN**, Jia-Xi GU, Zi-Tao YU, Ya-Cai HU, Ke-Fa CEN

2014      Two Patents in end-use energy recycle and reducing energy consumption (the 3<sup>rd</sup> author).

## PERSONAL SKILLS

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**Computer skills**      CAD: AutoCAD, Solidworks  
Simulation & Computation: Matlab, Abaqus, EES, FEMM  
Other: C, Microsoft office, Origin