



Yuda Sun

362 Riverside Drive, Apt# 2D2, New York, NY 10025
917-868-6099 • ys2729@columbia.edu

EDUCATION

Columbia University, The Fu Foundation School of Engineering and Applied Science **New York, NY**
September 2013 to December 2014 (Expected)

- M.S Candidate of Earth Resource Engineering
- Research Concentration: Project/Process Life Cycle Analysis, Renewable Energy, Waste to Energy

Relevant courses

Energy Resources & Conversion
PV System Engineering
Industrial Ecology

University of Nottingham

Nottingham, UK
September 2009 to July 2013 UK

- 1st class honors degree of B.Eng Architectural Environment Engineering
- GPA 3.80/4.00, Top 5 student in a total of 100 cohort
- Dean's Scholarship, 2009/10, 2010/11, awarded "High Flier" for outstanding performance, 2012/13
- Student representative for Chartered Institution of Building Services Engineers (CIBSE)

Relevant courses

Building Services Design	Engineering Mathematics
Energy and Waste	Building Analysis
Thermofluids	Management Studies
Environmental Design	Environmental Performance Modeling

PROJECT EXPERIENCE

University of Nottingham **Nottingham, UK**

Vacuum Insulation Panels in Building Application: A Review, Testing and Modeling May 2013

- Analyzed the effects of using of Vacuum Insulation Panels on building energy consumption
- Compared different modern insulation materials in building application from life cycle view

International Symposium on Low Carbon Buildings

Ningbo, PRC

Introduction and assessment of an integrated method for urban rainwater harvesting in China October 2012

- Analyzed current problems related with water in China and proposed a method of harvesting rainwater in urban area
- Made calculations and processed data to assess the feasibility of the method Compared

WORK EXPERIENCE

Junior Research Associate **Columbia University** **New York, NY**

Waste to Energy Research and Technology Council September 2013 to Present
and Center for Life Cycle Analysis

Associate Technical Architect **Shanghai Xiandai Architectural Design Co.,Ltd** **Shanghai, PRC** June 2012

- Participated in a team to design 6 construction projects on HVAC, internal energy use control system, drainage and rainwater treatment system
- Practiced AutoCAD plotting, team-working, and communication skills

Associate Technical Architect **Zhongding Architecture Design & Research Institute** **Ningbo, PRC** January 2010

- Assisted architects to design and plot both internal and external environment, make geographical analysis

EXTRA-CURRICULAR EXPERIENCE

Student representative **Chartered Institution of Building Services Engineers (CIBSE)** **Nottingham, UK** September 2012 to July 2013

- Worked with Membership Development Officer to organize promotion campaign

Research Volunteer **African Impact Organization** **Durban, South Africa** April 2012

- Worked with volunteers from different countries to do research on wildlife and environment protection

SKILLS AND INTERESTS

- Computer Skills: familiar with MS Office, AutoCAD, EcoTECT, Matlab, EnergyPlus, SimaPro, Photoshop, Sketchup
- Language Skills: native speaker of Mandarin, English
- Interests: painting, calligraphy, squash, cooking, cycling, hiking