

Name

Address

E-mail

Phone

Photo

Education

- 2011.08-present **Master of Science X**, Estimated degree in October, 2013
KTH Royal Institute of Technology, Valhallavägen 79, Stockholm, Sweden.
Sustainable Power Generation; Applied Heat and Power Technology;
Computational Methods in Energy Technology; Energy Policy Design; Turbomachinery
- 2007.08-2011.06 **Bachelor of Engineering in Energy & Environment Systems Engineering**
Minor: Public Administration
Zhejiang University, Zheda Road 38, Hangzhou, China.
Calculus; Physics; Engineering Mechanics; Engineering Chemistry; Thermodynamics;
Automatic Control Theory; Heat Transfer; Fluid Machinery; Turbine Design;
Boiler Design; Public Economics; Administrative Law; Leadership Science and Skills
- 2010.06-2010.08 **Summer Study Program**
St. Petersburg State Polytechnical University, St. Petersburg, Russia

Internship Experience

- 2013.02-present **Master Thesis Intern** in Energy Department, *KTH Royal Institute of Technology*
Brinellvägen 68, Stockholm, Sweden.
Responsible for point-focus solar receiver design and optimization for concentrated solar thermal power plants
- Bring out an innovative design of cylindrical solar receiver based on impinging cooling technique (including 1-D analysis, CAD model and drawing)
 - Numerical study of the receiver with CFD software package (*ANSYS* and *Fluent*)
 - Optimization of the receiver based on numerical study
- 2012.06-2012.08 **Engineering Intern** in [*Smart Home*](#), Duke University, 1402 Faber St., Durham, USA.
Responsible for Energy monitoring of the Duke Smart Home (LEED Platinum Holder)
- Researched on the indoor air quality both in measurements and in simulation
 - Did a photovoltaic panel placement project in the garden of *Smart Home*
 - Fabricated an three-cylinder oscillating air engine in Duke Student Machine Shop
 - Learnt how to deal with practical engineering problems in green building design

Computer Skills

- | | |
|-----------------|------------------------------------|
| 3D CAD Modeling | AutoCAD, ANSYS Design Modeler |
| CFD Simulation | ANSYS Workbench, FLUENT, STAR-CCM+ |
| Energy Modeling | LEAP, HOMER, EES |
| Programming | Matlab, Visual C |
| MS Office | Excel, Word, PowerPoint, Visio |

Language

Mother tongue	Chinese
Fluent	English (TOEFL iBT 105)
Basic	Swedish

Miscellaneous

Social Activities 2011.04 **Mainland China Delegate**

[Strait Talk Symposium](#) at the University of California, Berkeley, USA

- Was selected as one of the five delegates representing mainland China, attended the annual Symposium, talked over the Taiwan strait issues with delegates from Taiwan and USA. Contributed to reaching and completion of a final consensus which was presented to politicians from Washington. D.C
- Learnt cross-culture communication and negotiation, and formal consensus drafting

2010.05-2010.08 **Group leader and Presenter**

The 3rd National Contest on Energy Saving & Emission Reduction, Beijing, China.

- Coordinated the team, designed a new technology process to utilize printed circuit board scrap. On behalf of the team, Presented the result and demonstrated the model in the final contest
- Won the national 2nd prize (Top 8%), learnt effective teamwork and project management

2008.10-2010.12 **Vice-President**

Culture Promotion Team, Zhejiang University, Hangzhou, China.

- Organized the team to promote the university's culture, reported by media as Chinese Central Television, Xinhua net. Presented Zhejiang University's culture exhibitions to Li Changchun, the former National Committee Member of China. Directed the freshmen's commencing education of 2010 (5500 students involved) of Zhejiang University
- Learnt team planning and organizing skills, strengthened presentation skills

Interests Singer in Stockholm Chinese Choir, Piano

Awards and Scholarships

2011.08-2013.08	Full Master Scholarship (Tuition waiver & living stipend), <i>Chinese Scholarship Council</i> and <i>KTH</i>
2010.12	Scholarship for Excellence in Research and Innovation, <i>Zhejiang University</i>
2010.12	Outstanding Student Leader Award, <i>Zhejiang University</i>
2010.08	Second Prize of <i>the National Contest on Energy Saving & Emission Reduction</i> , Beijing, China

References

Available upon request