

**OBJECTIVE**

Recent graduate with environmental and electrical engineering background, dedicated and dependable person with capability to learn quickly and excellent communication skills. Aiming to bring these qualities to entry-level role in Environmental & Utilities industries.

**EDUCATION**

**Texas A&M University (TAMU)**, College Station, TX

Master in Agricultural/Environmental Engineering (GPA: 3.33/4) May 2015

**China Agricultural University (CAU)**, Beijing, china

Bachelor in Automation of Electrical Engineering (GPA: 3.85/4) June 2012

**EXPERIENCE**

**Texas A&M University**, College Station, TX

*Master Project*

Sept 2013 – May 2015

- Researched and identified the best combination of temperature, humidity, light intensity and air flow velocity parameters to maximize plant growth and minimize operating costs.
- Communicated with multidisciplinary advisory committee to finalize engineering design, improve efficiencies, and streamline project models with the most desirable parameters.
- Optimized instrumentation placement and provided extreme efficiency to pilot projects by collaborating with multiple technical experts from the industry.
- Developed and assembled chamber to carry out experiments with desirable combination of environment parameters and documented findings.
- Conducted quantitative analysis of the results, produced engineering report with technical specifications, and presented to Biological and Agriculture Engineering Department at Texas A&M.

*Research Assistant*

Aug 2012 – May 2013

- Created structural diagrams of TAMU wind tunnel using Solid Works software. Carried out tests on wind tunnel velocity uniformity and aerosol concentration uniformity before evaluating Federal Equivalent Method (FEM) Particulate Matter (PM) samplers under Title V permitting.
- Examined collection efficiency of PM<sub>10</sub> samplers on TAMU wind tunnel. Particle distribution data were obtained by fluorometric analysis and sampling effectiveness curve was further determined by fitting a lognormal curve to the data.
- Collected and analyzed data, reviewed and recommended effective changes in air-sampling and air quality monitoring procedures and prepared terms of reference.
- Helped to generate laboratory inventory, identified deficiencies and ordered parts to ensure all required materials were on shelves and projects did not slow down due to lack of inventory or delayed parts.

**China Agricultural University**, Beijing, China

*Student Worker*, Changping Strawberry Farms

Sept 2011 – May 2011

- Investigated environmental factors impacting strawberry greenhouse. Helped create a model and set up sensors to evaluate these environmental factors.
- Documented and analyzed data, setup intervention system plan, and presented to the technical research and administrative committees associated with the corporation.

## **PUBLICATIONS**

**Ge Li**, Yifei Chen, and Shangfeng Du. 2012. Research on cooperative control in intelligent agriculture complex system. *IJCCE*, Vol. 1 (1): 19 -21. ISSN: 2010-3743.

Shaoling Li, Yu Han, **Ge Li** et al. 2012. Design and implementation of agricultural greenhouse environmental monitoring system. *Applied Mechanics and Materials*: Vol. 121 -126 (2012) pp 2624 -2629

## **HONORS**

2013 – 2014 *BAEN Competitive Scholarship* for graduate students, awarded by TAMU

2011 – 2012 *Lin Hai Scholarship* (only one per department per year) awarded by the CAU

2009 – 2011 *National Scholarship* awarded by the Ministry of Education of China (2 consecutive years)

## **ACTIVITIES**

**Biological and Agricultural Engineering (BAEN) Department**, Texas A&M University

Student representative of BAEN Recognition Committee, 2014 – 2015

- Responsible for liaison between committee and BAEN graduate and undergraduate students.
- Helped awards nominees with application material preparation.

Secretary of BAEN Graduate Student Association (GSA), 2013 – 2014

- Coordinated communications between faculty, administrators and BAEN students.
- Took minutes at GSA meetings and delegated GSA member responsibilities.
- Assisted BAEN outreach activities, sent out event flyers and scheduled surveys.

**Texas A&M University**, 2013

Helped freshmen students by setting up booths and media forms to create awareness of Bridges International Society and its benefits to the incoming freshmen students.

**China Agricultural University**

CAU Ambassador, 2010-2011

- Worked as the student representative for the university's foreign affair activities.
- On behalf of the university, welcomed and received visiting foreign scholars and students, introduced university historical background and Chinese culture to them, provided them assistance during adjustment to the new place.

## **SKILLS**

**Programming**: proficient in C/C++ and Basic Programming, MFC

**Specialized software**: proficient in JMP, Design Expert, Solid Works, PCB (Protel 99 SE), Multisim

**Other packages**: proficient in Microsoft Office Suites

**Language**: English (fluent), Chinese (native)

## **CORE COURSES**

Unit operations of Biological & Agricultural Engineering, Air Pollution Engineering, Bio Separation, Experimental Methods, Statistics in Research, Applied Mathematics.

## **PROFESSIONAL ASSOCIATIONS**

American Society of Agricultural and Biological Engineers.

## **WORK AUTHORIZATION**

Eligible to work in U.S for 29 months on Optional Practical Training (OPT).