

Jianjie TAN

+1 765-404-9733

E-mail: jianjietan2014@u.northwestern.edu

659 W. Randolph St #1518

Chicago, IL 60661

Education

Northwestern University, Evanston, IL

Master in Engineering Management, Concentration in Managerial Analytics

Dec 2016

3.95/4.00 GPA

Purdue University, W.Lafayette, IN

B.Sc in Chemical Engineering (Honors with Distinction), Minor in Chemistry

May 2006

3.84/4.00 GPA

Professional Qualifications

Registered Professional Engineer in Illinois, USA

Feb 2012 to Present

Professional Experience

Dedert Corporation

Project Manager

2013 to Present

- Oversaw the timely delivery of projects in agricultural, food and chemicals industries worth up to US\$6.0M while remaining within budget
- Managed and directed European, Latin American and US projects
- Established relationships with mainland Chinese vendors for the newly-opened Shanghai office
- Verified new vendors' quality before their acceptance into our "approved vendors" list
- Trained and supervised up to 50 customers' site personnel

Sales and Design Engineer

2010 to 2013

- Engineered and sold dryers for plants worth up to US\$100 M
- Designed systems that include customizations like energy recovery and multi-staged operations, etc.
- Enhanced customers' operations by reducing downtime by 50%, resulting in annual savings of at least US\$ 1M
- Oversaw the company's compliance with NFPA, EHDG and EN National Safety code requirements
- Developed controls and automation documentation for systems

Research and Development Engineer

2009 to 2010

- Designed and implemented test protocol to capture data on customers' products

Commissioning Engineer

2006 to 2009

- Directed over 10 commissioning projects as Lead site engineer
- Managed plant operations teams during abnormal and hazardous situations like explosions and fires
- Advised customers during Hazardous Operations (Hazop) "What If" safety and operational discussions
- Optimized dryer operations to assist plant operations

Other Experience

Northwestern University

2015 to Present

Data Analytics

- Audited a smart building and quantified the operational efficiency of its HVAC system
- Assessed the profitability of a product line for a multinational automotive company

Financial Modelling

2015 to Present

- Champion Team in 2016 MEMPC PriSim Business War Games Competition
- Analyzed and investigated the viability of opening a Montessori Early Education Center in Chicago

Skills

Languages

- Fluent in English, Mandarin Chinese; Proficient in Japanese

Software

- Proficient in AutoCAD Lite, MS Office, R, Wekka, Tableau and @Risk