

QIANLI DENG (Shally)

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EDUCATION

M.S. in Project Management

Anticipated May 2011

University of Maryland, College Park, MD

Thesis: Guarantee Design on Energy Performance Contracts under Uncertainty

B.S. in Civil Engineering (Minor in Project Management)

July 2009

Tianjin University, Tianjin, P. R. China

Thesis: Study on the Pricing Methods of Urban Housing and Land Leasing in China

PROJECT EXPERIENCE

Real Option Estimation for Energy Performance Contracting Projects Financing

Fall 2010

- Developed optimal investment strategy through Black-Scholes and Binomial Lattice model
- Forecasted maximum-profitable guarantee pricing for ESCOs

Effect Evaluation of the Implantable Cardioverter Defibrillator for HCM Patients

Spring 2010

- Framed ICD Risk Register, Decision Trees and Bayesian Network
- Analyzed system availability and reliability through prior and posterior probability

Mathematical Programming Model for Technology Selection in Renovation Projects

Spring 2010

- Ran goal programming model and sensitivity analysis for renovation technology selection
- Estimated the optimal linear combination for technical parameters

Earned Value Analysis on Construction Scheduling

Fall 2009

- Performed Monte Carlo Simulation by @risk to reach the potential time slot arrangements
- Tracked critical path by Earned Value and Earned Schedule method for resources allocation

WORK EXPERIENCE

Graduate Assistant

August 2010 – Present

Sustainability Infrastructure Group, Department of Civil Engineering, University of Maryland

- Collected PDRI information for Public Infrastructures Risk evaluation system
- Coordinated group presentation meeting and academic lectures

Site Office Engineer Intern

May 2010 – August 2010

China Construction America, Inc., Washington, D.C.

- Verified project daily report for RFI completeness and bid price tabulation sheets by MS Excel
- Filed original stakeholders correspondence and Tracked suppliers qualification information

Draftsman & Surveyor

July 2007

Land surveying Practice in Changli, Hebei Province, P. R. China

- Practice field surveying and data collecting on site in a five member team
- Prepared geographic drafting and 20+ page report summarizing ground condition and building location

EXTRA ACTIVITIES & AWARDS

- Volunteer Health Service for HIV/AIDS Patients in New York City (2010)
- Grand Photographic Award in IES Photo Competition, University of Maryland College Park (2009)
- Three A's Student Award of Tianjin University, Tianjin University (2008, 2007, 2006)
- Best Design Award in Department Logo Design Competition, Tianjin University (2005)