Gong Jue

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Education

09/2009-Present	**Fudan University**
	Major: Physics
	GPA: 3.15 / 4.0

Standard Test

IBT (10/14/2012): 96 (R27, L25, S19, W25)
GRE (09/15/2012): 314 (V146, Q168, AW3.0)

Research Experiences

05/2012-11/2013	**Modern Physics Experiment Developing Based on X-ray Fluorescence Analysis**
Contents:	1. Repaired the vacuum system and mechanical components;
	2. Upgraded the control unit and I/O interface for data collection;
	3. Tested a broken X-ray fluorescence
01/2012-02/2012	**Design and Optimization of DCS (Distributed Control System)**
Contents:	1. Researched in the requirements in production;
	2. Participated in the project of design of DCS;
	3. Assisted the purchasing department in DCS component selection;
05/2012-06-2012	**Design of Computerized Control System of Mass Spectrometer**
Contents:	1. Simulated the acceleration process of ion in electric field and its deflection process in magnetic field in mass spectrometer with SIMION software;
	2. Transformed the input/output modules of mass spectrograph;
	3. Wrote a control program with LabVIEW, computer-controlling the ion source emission and magnetic field parameters;
	4. Computerized signal collection and real-time display of emission spectrum of the ion.
09/2011-12/2011	**Research on the performance of electronic focusing system with electro-optical simulation method**
Contents:	1. Studied the performance of the X-ray tube electron beam focusing system;
	2. Established the model of electrostatic lens system;
	3. Analyzed the focusing effect of the system in different accelerating voltage, electron initial energy and range ability with SIMION.
07/2010-08/2010	**Optimization study on crew rostering system, Jiangshan Agrochemical & Chemicals Co. Ltd**
Contents:	1. Researched on the two rostering systems of four class three operation and three class two operation within the industrial park where the company located;
	2. Established mathematical model to investigate labor productivity and overall enterprise efficiency under different rostering systems;
	3. Worked out the applicable conditions to different systems with a multi-parameter model built by MATLAB;
	4. Chose appropriate rostering system according to specific circumstance of the plant.

Internships

01/2012-02/2012	**Winlong Technology, Co., Ltd, Department of System Engineering, Assistant Engineer**
Responsibility	Participated in the design and optimization of DCS (Distributed Control System)

1. Involved in the formulation of DCS;
2. Examined the reasonableness of automatic control plan；
3. Assisted the purchasing department in DCS component selection and parity；
4. Involved in the manufacturing production and commissioning of DCS system.

07/2011-08/2011	**Yokagawa China Co., Ltd, Department of Single Meter, Assistant Engineer**
Responsibility	Assisted in the selection, installation, commissioning of single meter

1. Provided assistance to Engineers for customer's technical service through visiting, phone calls and letters；
2. Visited customers together with Engineer, took part in equipment installation, commissioning and maintenance, prepared and made record for relevant jobs；
3. Worked with team members to prepare documents and presentations to senior management as well as outside parties；
4. Translated group's products operation manuals, drawings and arrange the sending to customer.

07/2010-08/2010	**Jiangshan Agrochemical & Chemicals Co. Ltd, Department of Production, Intern**
Responsibility	Assisted in the **monitoring of water-tube boiler and safety**

1. Monitored the remote system terminal of water-tube boiler, made records and reported problems;
2. Prepared appropriate documentation, reports and summaries to communicate project progress or results;
3. Understood procedures, standards, and expectations for production safety and personnel safety in and out of the workplace.

Activities & Honors

05/2011-02/2012	Graphic editor of "three-dimension map of Fudan University" to design the format and layout of the map
10/2009-01/2012	Vice-president of Student Union in Department of Physics to plan and organize varies activities
11/2010-11/2012	Third-class Excellent Undergraduate Scholarship in Fudan University
07/2009	Second-class Freshman Scholarship in Fudan University

Skills

Programming: C, MATLAB, LaTeX;
Computer Modeling: Pro/E, 3D Max;
Graphic Design: Photoshop, Illustrator, InDesign.