Yang Li

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EDUCATION

Stony Brook University, New York, U.S.A Jun 2012-May 2014
Master of Mechanical Engineering
Xiamen University, Fujian, China Sept 2008-Jun 2012
Bachelor of Science in Mechanical Design and Manufacturing Automation
Relevant Courses: Modeling and control of manufacture, Finite Element Analysis, Advanced Dynamics, Engineering Optimization, Energy Technology Thermodynamics, Transport Phenomena.

WORKING EXPENCIENCE

Internship engineer:

Hebei Iron and Steel Group Luanxian Si Jiaying Iron Co., Ltd. Jul 2011-Aug 2011

- Designed Parts, calculated the hardness and stiffness.
- Modeling.

Forest Sea Technology Development Co., Ltd. Jul 2010-Aug 2010

- Develop a new-style institutions pulley and crank mechanical drawing device.
- Finite element analysis, including beam, frame, and plane stress/strain analysis.

Project: The Flip-screen drive-vehicle and Positioning driven system over design

(This project was commissioned by Xiamen Harine Electronics Co., Ltd in cooperation with the Department of Mechanical and Electrical Engineering of Xiamen University) May 2011- Nov 2011

- Took charge in the detection of stress, including contact stress and bending stress.
- Responsible for 2D and 3D models and mechanical drawings using AutoCAD and Pro/engineer.
- Participated in design reviews for spec development, product design, and product verification.
- Coordinated and conducted vehicle installation trials including troubleshooting and hands-on work.
- Developed testing strategies, devices, systems and processes, and perform product test.
- Drafted, reviewed, and revised blueprints and specifications.

Research: MRI Scanning Process Efficiency Improvement Nov 2012-May 2013

- Collect data and build the model in Stony Brook Hospital. By analyzing the existing process, the modeling has been improved. In addition, a bottleneck analysis method is also introduced to identify the bottlenecks. Through the improvement, the whole process can reduce the average time each patient spends and increase the total through put in a certain amount of time.

EXTRACURICULLAR ACTIVITIES

Competitor, C&D Xiamen International Marathon, Chinese Athletics Association, Xiamen, China.
Organize, Metalworking Contest, Dept. of Mechanical and Electrical Engineering, Xiamen University.
Office Manager, Student Union, Dept. of Mechanical and Electrical Engineering, Xiamen University.

SKILL

Computer Aided Design: Solidworks, Pro Engineer, Auto CAD

Programming Language: C Programming Language, Java

Finite Element Analysis: Solidworks Simulation

Computing and Modeling: MATLAB, Simul8

Language: Native speaker of Mandarin, fluent in English.