

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 Kan Kah Kee Collage, Fujian, China (Step 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

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

- Collect data an 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.

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

(This project was sponsored by Xiamen Harine Electronics Co., Ltd.) (May 2011-Nov 2011)

- Took charge in calculating shear stress
- Responsible for 2D and 3D models and mechanical drawing using AutoCAD and Pro/E.
- Participated in design reviews for spec development, product design, and product verification.
- Coordinated and conducted vehicle installation trials including troubleshooting and hands work.
- Developed testing strategies, devices, systems and processes, and perform product test.

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.

SKILL

- Computer Aided Design: Solidworks, Pro Engineer, AutoCAD.
- Finite Element Analysis: Solidworks Simulation.
- Computing and Modeling: MATLAB, Simul8.
- Language: Native speaker of Mandarin, fluent in English.

SCHOLARSHIP AND AWARDS

- Won scholarship three times during undergraduate period.
- Won Excellent Class Leader during undergraduate period.
- National English level 6 and Computer Secondary Certificates.
- Competitor, C&D Xiamen International Marathon, Chinese Athletics Association, Xiamen, China.