Weihao Tang

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Objective:

Seeking a full-time position in Mechanical Engineering where my abilities in product design, manufacture and improvement can make a contribution.

Expected salary: $40,000-$45,000/yr

Education:

Illinois Institute of Technology, Chicago, IL, USA	Master of Mechanical Engineering	May 2012
Dalian Jiao Tong University, Dalian, China	Bachelor of Mechanical Engineering, Software Engineering	July 2010
Engineering Training (machining, welding, CNC programming)		Jun—Aug 2006

Skills:

- ProE, Solidworks, and AutoCAD
- MATLAB, C, JAVA, PCL programming
- FLUENT, ANSYS, ABAQUS numerical analysis
- Database design and construction

- IBM Rational Application Developer
- Microsoft Office
- Languages: English, Chinese, Japanese
- Lean, Six Sigma operations

Internship Experience:

Anshan Iron and Steel Group Co., China   Jun 2009—Aug 2009
- Created machinery repair parts and exported engineering drawings in ProE
- Recorded product data and conducted dimension control
- Reduced conveyance waste by improving warehouse address system

Epoch International I&T Co., Dalian, China   Jun 2007—Aug 2007
- Created conceptual design and 3D molding utilizing ProE and Solidworks
- Implemented statistical process control with Six Sigma model
- Responsible for coordination of suppliers and customers

Project Experience:

Analysis of B-spline, NURBS surface, NC path generation   Aug 2011—Dec 2011

Analysis of Motor Train Unit (model created in ProE)   Mar 2010—Jul 2010
- Simulated and computed motor train unit models using FLUENT and ANSYS
- Analyzed pressure and speed distribution around the surface area
- Made comparison and reference for the design of inlet, outlet and tunnel section

Office Air-Conditioning Simulation and Analysis Project   Oct 2009—Mar 2010
- Simulated and analyzed working environment air flow using FLUENT

Reduction Gear Box Design Project   May 2009—Jun 2009
- Selected gears, spindles, bearings with corresponding parameters and specification
- Plotted assembly drawing using AutoCAD

Wind-Electricity Driven Vehicle Design (Led team of ten)   Mar 2008—May 2008
- Designed structure and transmission system using Solidworks

Activities:

IBM Certified Database Associate	Mar 2009—Jul 2009
IBM Certified Associate Developer for RAD WebSphere Software	Sep 2008—Jan 2009
Vice President of Student Union	Sep 2007—Jul 2008