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Shannon Yang

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EDUCATION:

Massachusetts Institute of Technology Cambridge, MA
Candidate for Bachelor of Science in Mechanical Engineering, June, 2013
GPA : 4.3/5.0
Relevant Coursework: Multivariable Calc, Differential Equations, Linear Algebra, Designing for People (Student '10 and mentor '11), Toy product Design, Mechanics and Materials I & II, Dynamics and Control I & II, Thermal Fluid Engineering I &II, Design and Manufacturing I & II, Measurement and Instrumentation, MIT Edgerton Shop Training, Hobby Shop Training

EXPERIENCE

The Boeing Company - BCA Innovation Center & Technology Everett, WA
Engineering Intern May-Aug, 2012
- Developed novel concepts and designs for assembly automation involving fastener sealant application.
- Worked in a cross functional team of 22 PD interns on a New Airplane Study.

MIT 2.007: Design and Manufacturing I Cambridge, MA
Undergraduate Assistant Feb-May, 2012
- Assisted a lab section of more than 40 students on designing and building robots.
- Assisted a lecture section of 21 students with CAD (SolidWorks).

Aurora Flight Sciences Columbus, MS
Design Intern Jan, 2012
- Designed fixtures to allow compatibility between a Tinius Olson static tension/compressing testing machine and a short beam shear test fixture.
- Designed precision tools to install holes on rounded surfaces for a Weapons Pylon project.

IDEXX Laboratories Westbrook, ME
Mechanical Engineering Intern May-Aug, 2011
- Designed and prototyped a major component for Catalyst-Lite, an Immunochemistry analyzer for veterinarian practices. Project involved detailed modeling in SolidWorks, fluid dynamics analysis, material research, and multiple presentations to senior management.

MIT Media Lab: Personal Robotics Group Cambridge, MA
Student Researcher Jun-Aug, 2010
- Designed and built an RFID reader connected to an Arduino integrated with TouchDesigner.
- Independently modeled, rendered, and animated 3D characters/images in Autodesk Maya.

SKILLS

Language: English (fluent), Chinese (fluent), Japanese (Conversational)
Multimedia Knowledge: SolidWorks, Mastercam, SketchUp, Maya, Matlab, Java, Oil Painting, Photography
Machining: Proficient in lathes, mills, band saw, laser cutter, drill press, thermo forming

ACTIVITIES

MIT Sport Taekwondo (Tournament Coordinator), Christians on Campus