

Shieng Liu

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- Education** B.S. in Mechanical Engineering
University of Washington, Seattle, WA
Expected Graduation Date: Spring 2008
Grade Point Average: 3.46 (on a scale of 4.0)
Minor: Mathematics
- Employment and Research** 3/1/2007-Present Undergraduate Research Assistant
Microcellular Plastics Laboratory, University of Washington
- Performed Design of Experiments to analyze foaming conditions.
 - Assisted graduate and post doctorate students in running experiments.
 - Researched and fabricated an apparatus used for preparing flat specimens for SEM imaging.
- 6/2006-8/2006 Intern Design Engineer
Blue Bamboo, Shanghai, China
- Assisted senior engineer in designing H50 POS terminal chassis.
 - Created engineering drawings with critical dimensions.
 - Wrote and edited H50 user manual.
 - Assisted CEO with marketing plan.
- 11/2005-6/2006 Intern Mechanical Engineer
Genie Industries, Redmond, WA
- Designed fixtures that were implemented onto the assembly line.
 - Increased the production of scissor lifts from 25 to 30 units a day.
 - Assisted with integrating European units into the assembly line.
 - Planned the layout and process of a new powder-coat system.
- Projects** 9/2005-6/2006 Testing Team Engineer
Human Powered Submarine Team, University of Washington
- Designed propeller blade molds in SolidWorks.
 - Refined the Vacuum Infusion Process for creating carbon fiber propeller blades.
 - Designed and fabricated a variable resistance testing structure used to test the propulsion system.
- Skills and Abilities** Computer Skills:
- Experience with SolidWorks, Pro E, Feature CAM, AutoCAD, Minitab, R, MATLAB, JavaScript, Microsoft Word, Microsoft Excel
- Fabrication Skills:
- University of Washington machine shop certified.
 - Passed weld safety training at Genie Industries