

BIOGRAPHY



Shunjie(Jay) Yin (BSME,MME) Associate Engineer, Munro & Associates, Inc.

Jay Yin recently joined Munro & Associates as an associate engineer at the end of April, 2014 upon graduation from the University of Detroit Mercy.

As an associate engineer at Munro & Associates, Jay has participated in the tearing down of automotive parts and systems through the use of the company's proprietary software Design Profit. Using this software he has been able to develop a cost map which analyzes manufacturing and assembly costs. Jay is now able to provide customers with lean design ideas, which help them to eliminate outdated rules as well as reduce costs, weight, and variation to increase their product profit, quality, and market share. Through working with the Munro & Associates team on the BMW i3 Teardown and Benchmarking Study, Jay has gained experience with FFQ(Fit, Finish & Quality Audit), research, analysis, and costing on the new manufacturing technology, materials and benchmarking. Jay also helps the Munro team communicate with Chinese customers by providing translations of Chinese technical and marketing documents, Design Profit training manuals, and verbal communications. Another way that Jay helps the Munro team in communicating with the Chinese is that he collects and analyzes the needs of both Munro and the customers to ensure that the engineering team receives clear information.

Jay was an On-campus Research Assistant while studying for his Master degree in Mechanical Engineering at the University of Detroit Mercy. While in this position his research responsibilities included design of predictive theoretical vibration testing models and analysis to develop AFPC (Aluminum Foam-Polymer Composite) materials. He also published and presented his research titled Characterization of Polymer-metal Foam Hybrids for Use in Vibration Dampening and Isolation at the 8th International Conference on Porous Metals and Metallic Foams in Raleigh, NC June 23-26, 2013. His coursework also included Noise and Vibration Control, FEA (Finite Element Analysis), Vehicle Dynamics, CAD/CAM, and System Simulation. Jay earned his Master Degree in Mechanical Engineering from the University of Detroit Mercy in May of 2014.

As a mechanical engineer in China for Sichuan Chuannan Absorber Group Limited from February to July 2011, Jay worked in Chuannan's research and development center and helped Process Engineers improve parts' processing

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quality and controllability. He also participated in the quality evaluation project of Honda's Global Supplier Plan and new product development.

Jay began his engineering experience through academic study and associated projects at Chongqing University, China in 2006, and he obtained his Bachelor of Science in Mechanical Engineering with a focus on Mechanical Design and Manufacturing and Automation in 2010. In recognition of his great talent in mechanical engineering and research, Jay has received several rewards. In October 2009 he was awarded the National Encouragement Scholarship by the Chinese Education Department. In September 2009, he was awarded the Yu An Scholarship by the YUAN Group, and he also received the Comprehensive College Third Grade Scholarship from the College of Mechanical Engineering at Chongqing University.