

## **SRC Graduate Student Resume: Yang Liu**

NAME: Yang Liu

UNIVERSITY ADDRESS:

University of Michigan  
Dept. of Mechanical Engineering  
1210 H. H. Dow Building  
Ann Arbor, MI 48109

PLANNED GRADUATION DATE: 05/2008

INTERNSHIP (yes/no): Yes

AVAILABILITY DATE: 12/15/2006

FULL TIME EMPLOYMENT (yes/no): Yes

AVAILABILITY DATE: 05/01/2008

UNIVERSITY: University of Michigan

FACULTY ADVISOR: Professor Jun Ni

CITIZENSHIP: China

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PERMANENT ADDRESS:

2345 Bishop Ave. Apt # 2  
Ann Arbor, MI 48105

EDUCATION

2005.09~Present, PhD Pre-Candidate, Mechanical Engineering

University of Michigan, USA

Advisor: Professor Jun Ni

2004.09~2005.08, PhD Pre-Qualify, Mechanical Engineering

University of Michigan, USA

Advisor: Professor Jun Ni

2002.09~2004.08, MS, Mechanical Engineering

State University of New York at Binghamton, USA

Thesis: Design and Analysis of the *Ormia* Second Order Directional Microphone

Advisor: Professor Ronald Miles

1995.09~1999.07, BS, Thermal Engine

Shanghai Jiao Tong University, China

Thesis: Developing Virtual Dual Channel Signal Analyzer in *LabVIEW*

Advisor: Professor Jin Chen

## LANGUAGES

Chinese-Native Language

English-Read, Write and Speak

## RELATED WORK EXPERIENCE

2004.10~Present, Graduate Student Research Assistant

University of Michigan, USA

2003.01~2004.07, Graduate Student Research Project Assistant

State University of New York at Binghamton, USA

2002.09~2003.12, Teaching Assistant

State University of New York at Binghamton, USA

1999.08~2002.07, Teaching Assistant

Shanghai Jiao Tong University, China

## AWARDS/RECOGNITION

2005.10, Best Paper in Session Award, SRC TECHCON 2005 Conference

2002.09, Thomas J. Watson Graduate Scholars Fellowship, SUNY-Binghamton

2001.06, Scholarship for Excellent-Teachers of SJTU and Jiangnan Shipyard

1999.06, Jiangnan-Scholarship of Jiangnan Shipyard

1999.06, Excellent-Graduate of Shanghai City

1996.09, Excellent Student Leader of Shanghai Jiao Tong University

1996.09~1998.09, Excellent-Scholarship of Shanghai Jiao Tong University

## REFERENCES

Jun Ni, University of Michigan, Dept. of Mechanical Engineering, 1023 H. H. Dow Building, Ann Arbor, MI 48109. (734) 936-2918, junni@umich.edu

Ronald Miles, State University of New York at Binghamton, Dept. of Mechanical Engineering, EB-S12, Binghamton, NY 13902. (607) 777-4038, rmiles@binghamton.edu

## OBJECTIVES/LONG-TERM GOALS:

My research background includes thermal and heat analysis, dynamics, vibrations, acoustics and MEMS devices design. Since October 2004 I have been working on a SRC project which extensively leads me to a broader scope of semiconductor manufacturing compared to the MEMS fabrication, which has been used to make tiny mechanical devices that I designed in my Master's thesis. The project basically concerns the integration of semiconductor manufacturing information collected from machine conditions as well as inspections to predict yield and to provide predictive maintenance schedules to the fab. My long-term goal is to pursue a research position in universities or industries.

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