

## Michael Wayne Lin

### Local Address

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### Permanent Address

1442 Sugar Creek Blvd  
Sugar Land, TX 77478  
281-242-1557

### Objective

Seeking a full time position in chemical engineering starting summer 2006.

### Education

#### The University of Texas at Austin

Masters of Science in Chemical Engineering to be awarded May 2006

Major GPA: 4.00/4.00

Bachelor of Science in Chemical Engineering Honors awarded May 2003

Overall GPA: 3.95/4.00

Major GPA: 3.92/4.00

### Related Courses

Solid State Electronic Devices  
Semiconductor Microlithography  
Electric Circuits and Electronics  
Quantum Chemistry and Spectroscopy

Surface Phenomena  
Optimal Control Theory  
Process Dynamics Control  
Engineering Economics

### Experience

8/04 – Present

#### University of Texas at Austin, Willson Research Group

Austin, TX

*Graduate Research Assistant*

- Conducted research in planarization materials for step-and-flash imprint lithography.
- Studied fractionation behavior of photoresist precursors in various solvents.

6/03 – 8/04

#### ExxonMobil Chemical Company

Baytown, TX

*Aromatics Technical Support Engineer – Asia Pacific*

- Served as direct technology contact for EM aromatics plants in Japan.
- Developed feasibility risk management studies, dynamic simulation models, and preliminary cost estimates in technology analysis for various projects.
- Developed global energy benchmarking study for reformat fractionation process of EM aromatics plants. (2003 Global Aromatics Business Excellence Award recipient)
- Successfully implemented new isomerization catalyst for 2 *p*-xylenes units in Japan.

5/02 – 5/03

#### University of Texas at Austin, Willson Research Group

Austin, TX

*Undergraduate Research Assistant*

- Synthesized mass persistent and top surface imaging photoresists.
- Analyzed binary systems of photoresist precursors.
- Studied equilibrium principles of acetal reactions for photoresist synthesis.

12/01 – 5/02

#### Ondeo Nalco Energy Services, L.P. (Nalco/Exxon Energy Chemicals)

Sugar Land, TX

*Co-op Process Engineer (3<sup>rd</sup> term)*

- Developed feasibility studies, project cost estimates, and appropriation requests for various projects.
- Implemented automation of plant's utility water system.
- Designed and installed seven zero-waste inline sampling loops for unit reactors.

### Skills

Working knowledge with PC software: MS Office, Lotus Applications, AutoCAD, JMP  
IN Statistics, Crane, PEGASYS, ASPEN, and PRO-II

### Accomplishments

Thrust Graduate Fellowship – Fall 2004  
ExxonMobil 2003 Global Aromatics Business Excellence Award – Fall 2003  
Jodie and Mary Isenhower Presidential Endowed Scholarship – Fall 2002  
Baker Hughes Foundation Scholarship – Fall 2001  
Southwest Chemical Society Scholarship – Fall 2000

### Organizations

Junior Achievement, Instructor (Ft. Bend – Spring '02/ Baytown – Fall '03)  
American Institute of Chemical Engineers, member

### References

Available upon request