

JASON MIDDLETON

OBJECTIVE

To find an internship in the biotechnology field.

EDUCATION

Current **Doctoral Student Chemical Engineering, University of Wisconsin** **Madison, WI**

Advisor: John Yin

Relevant Course Work: Cell Biology, Immunology, Genetics, Kinetics and Catalysis, Modeling Reactive Systems.

Skills: mammalian cell culture, ultracentrifuge; immunofluorescence, SDS-PAGE, gas chromatography, liquid chromatography, NMR., C programming, Microsoft Office

1998 **BS Chemical Engineering, Wayne State University** **Detroit, MI**

RESEARCH AND CO-OP EXPERIENCE

Current **University of Wisconsin, Doctoral Research** **Madison, WI**

Inactivation of reovirus particles: kinetic and genetic studies. In collaboration with Dr. Max Nibert, University of Wisconsin-Madison, Department of Biochemistry.

Sep 97-Aug 98 **GE Plastics, Automotive Exteriors Group** **Southfield, MI**

Assignment 1: Six Sigma Quality Control project for blow molded bumpers

Assignment 2: Resident Engineer at Britax Rainsford, coordinating a material conversion.

1997 **Wayne State University, Senior Research Project** **Detroit, MI**

Developed gas chromatography techniques to analyze the bioremediation of trichloroethylene and perchloroethylene by anaerobic bacteria.

1996 - 1997 **Dow Chemical, Alternating Term Co-op** **Midland, MI**

Summer 97: Catalysis R&D - Heterogeneous catalysis hydrogenation reactions. Prepared inorganic supports and catalysts and conducted hydrogenation studies.

Fall 96: Transport studies of volatile organic compounds through polymeric films. Found diffusion coefficients and permeation rates.

Winter 96: Maintenance scheduling / Manufacturing representative for dry powder packaging unit.

1995 **Wayne State University, Summer Undergraduate Research Fellowship** **Detroit, MI**

In the Physiology Department, Studied proton transport of a membrane protein in an artificial vesicle system.

HONORS AND AWARDS

1999-2002 Biotechnology Training Program Fellowship, National Institutes of Health

1997 Lubrizol Scholarship, Wayne State University

1995 Summer Undergraduate Research Fellowship, Wayne State University

1991 Presidential Scholarship, Wayne State University

PROFESSIONAL MEMBERSHIPS

American Institute of Chemical Engineers

American Society of Virology

ACTIVITIES

intramural soccer, intramural flag football, ballroom dancing, fishing, guitar, vocal music

Sunday school instructor for 7-8 year old children

REFERENCES

Available upon request

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