

NIFEMI ALUKO

301 Ball Street, College Station, TX 77840 • naluks@tamu.edu • (312) 636-9695

OBJECTIVE

Seeking an entry level position, starting May/August 2008, in the chemical engineering field, especially in process design and control.

EDUCATION

Texas A&M University, College Station, TX
Master of Science, Chemical Engineering

GPA: 3.63/4.00
Expected Aug 2008

Illinois Institute of Technology, Chicago, IL
Bachelor of Science, Chemical Engineering

GPA: 3.68/4.00
May 2006

WORK EXPERIENCE

Texas A&M University, College Station, TX

Jan 2007-Present

Graduate Research Assistant

- Dynamic modeling and control of a reactive distillation for benzene hydrogenation.
- Determining plant-wide control configuration for the column.
- Performing RGA analysis for optimal pairing in a multivariable control problem.
- Testing control performance for implemented control configuration.

Teaching Assistant

- Assisted students with experimental procedures and graded laboratory reports.

Sunphocus Technologies, Chicago, IL.

Graduate Research Assistant

Aug 2006–Dec 2006

- Developed holograms for implementation into solar cell technology.
- Tested power efficiency of solar cells.

IIT Chemical and Environmental Engineering Department, Chicago, IL.

Undergraduate Researcher

Fall 2004

- Conducted research on the biological production of hydrogen and its use in fuel cells.

SKILLS

Programming Languages: FORTRAN, C++, Unix.

Software: LABVIEW, Maple, MATLAB, Hysys, ASPEN, LINGO.

RELEVANT PROJECTS

Distillation column optimization

Spring 2008

- Finding the optimal feed tray and reflux rate for a reactive distillation column.

Inter-professional Project Program (IPRO) – (Team Leader)

Spring 2006

Isolation of IFN-alpha as a bio-therapeutic product

- Process design and economic analysis for the production of 10kg of IFN-alpha a year.

Dehydration of natural gas

Fall 2005

- Design and profitability analysis for natural gas dehydration using hysys simulation package.

RELEVANT COURSEWORK

Thermodynamics, Chemical kinetics, Process dynamics and control, Process Design, process optimization.

LEADERSHIP & ACTIVITIES

Graduate Student Council, Texas A&M University
American Institute of Chemical Engineers (AIChE)
National Association of Black Engineers (NSBE)
Treasurer, IIT African Student Organization (ASO)

Spring 2007-present
Fall 2003-Present
Fall 2003-Present
Fall 2004

HONOR AND AWARDS

- Energy/Environment/Economics (E³) Scholar
- IIT Louis Stokes Alliances for Minority Participation (LSAMP) Research Scholar