Thuy Vinh Luong Nguyen

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# OBJECTIVE

* Looking for a graduate research assistantship position

# EDUCATION

* **Georgia Institute of Technology**, Atlanta, GA
* **Master of Science in Chemical Engineering** (**2009)**

**• Bachelor of Science in Chemical Engineering, Highest Honor (2008)**

**EXPERIENCE**

* January/2010 – May/2010: **Internship**-**Engineering Technician** - **Department of Watershed Management, City of Atlant**a
* Modeling, analysis, and design of drinking water distribution system
* January/2009-December/2009: **Research** – **Georgia Institute of Technology**
* Design of a supercritical CO2 nanoparticle synthesis process for fuel cells applications
	+ Working with carbon nanotubes
	+ Understanding properties of supercritical carbondioxide and growth of nanoparticles
	+ Analying TEM images of nanoparticles
	+ Design of experiments
	+ Design and assembling the experimental system
* August/2007-December/2007: **Internship**-**Engineering Technician** - **Department of Watershed Management, City of Atlant**a
* Tested water samples, monitored wasted-water-and-drinking-water-treatment plants’ processes, and researched on the sewer system’s conditions

# Honors and Scholarships

* **Design Award** from **LyondellBasell Industries and Georgia Tech**
* Dean’s Scholarship Key
* Faculty Scholarship Award
* HOPE Scholarship
* Dean’s List

# School Projects

* Design project from **LyondellBasell Industries**

**•** Designed a plant to produce 500,000 tons/year of polymer-grade propylene from the

FCC (Fluid Catalytic Cracking) off-gas (wet gas)

* Designed a microfluidic chip to test cancer cell signaling
* Designed controller for CSTR and liquid-liquid extractor
* Designed a system to separate the mixture of propane and propylene
* Designed and built a Controlled-Operation Mechanical Energy Transducer

# Activities

* Member of Gamma Beta Phi Honor Society
* Member of National Chemical Engineering Honor Society (Omega Chi Epsilon)
* Member of TAPPI (Technical Association of the Pulp and Paper Industry) Student Chapter
* Member of Vietnamese Student Association