

# SHAWN P. COLEMAN

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## Current Address

2100 N Leverett Ave # 89  
Fayetteville, AR 72703  
sxc033@uark.edu

## Permanent Address:

3375 S. Irene Ct  
Springfield, MO 65809  
scolema3@gmail.com

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## EDUCATION :

**University of Notre Dame, *Cum Laude***  
Bachelor of Science  
Major: Chemical Engineering

Notre Dame, IN  
December 2009  
GPA: 3.62 / 4.0

## RESEARCH EXPERIENCE :

### Department of Physics: University of Arkansas (NSF-REU)

*Undergraduate Researcher – Advisor: Dr. Keith Roper*

- Mathematically modeled electromagnetic radiation interactions on nanoparticle arrays
- Collaborating with partner graduate student to write up findings for publication

Fayetteville, AR  
Summer 2009

### Department of Chemical & Petroleum Engineering: University of Kansas (NSF-REU)

*Undergraduate Researcher – Advisor: Dr. Susan Williams*

- Investigated various heterogeneous catalyst for biodiesel synthesis
- Designed, prepared, and tested a well posed control experiment
- Presented findings in campus wide REU poster session

Lawrence, KS  
Summer 2008

### Department of Chemical & Biomolecular Engineering: University of Notre Dame

*Undergraduate Researcher – Advisor: Dr. William F. Schneider*

- Investigated catalytic structures using density functional theory and statistical mechanics
- Analyzed new research software packages including Amsterdam Density Functional (ADF) software
- Reported findings in group papers and university wide undergraduate research symposium

Notre Dame, IN  
Spring 2007 – Fall 2009

## EXPERIENCE :

### Radio Shack

*Sales Associate*

- Assisted customers with various technology based questions
- Operated a POS machine and handled cash, check, and credit cards

Springfield, MO  
Fall 2008

### Department of Mathematics: University of Notre Dame

*Undergraduate Teacher Assistant*

- Graded weekly statistics, linear algebra, and differential equations assignments
- Managed the participation grades for 40-65 students

Notre Dame, IN  
Fall 2007 – Fall 2009

### Student-Athlete Tutor: University of Notre Dame

*Academic Services for Student-Athletes*

- Tutored 4 student athletes enrolled in Chemistry and Calculus II

Notre Dame, IN  
Summer 2007

### St. John's Regional Health System

*Inpatient Pharmacy Technician*

- Compounded various tablet medications into oral solutions at different dosages
- Processed all medication request faxes and verbal orders promptly

Springfield, MO  
Summers 2005 & 2006

## ACTIVITIES :

Discovery Center of Springfield, Missouri, *Volunteer*

Food Bank of Northern Indiana, *Volunteer*

American Institute of Chemical Engineers (AIChE), *Member and Officer*

Fall 2008  
2007 Academic Year  
Fall 2006 – Fall 2009

## HONORS :

2009 Research Award, *University of Notre Dame Department of Chemical & Biomolecular Engineering*

Vincent P. Slatt Research Fellowship, *University of Notre Dame*

Dean's Honor List, *University of Notre Dame*

Fall 2009  
Summer 2007  
Spring 2006, Fall 2007, Spring 2008, Spring 2009

## COMPUTER :

UNIX, MATLAB, Microsoft Office