

# Robert Smith

## Doctoral Research Assistant

### PERSONAL STATEMENT

Maintaining technical and administrative support for a research project, Analyzing and maintaining data and/or specimens. Responsible for Conducting literature reviews, Assisting with preparation of reports, manuscripts, and other documents.

### WORK EXPERIENCE

#### Doctoral Research Assistant

ABC Corporation - August 2012 - 2021

##### Responsibilities:

- Discovered novel and innovative nutrition-related approaches to interfere with diet-related disease through in vitro method and animal trial.
- Created a new functional food ingredient (dietary fiber/prebiotic) from cereal bran in lab/pilot plant and investigate its health benefits (anti-obesity/anti-inflammation/anti-diabetes/improvement of metabolic profile of gut microbiota) using C57/B6J mouse model.
- Investigated the effects of environment and variety on Mg content (LC-MS), lipase activity, and microbial load on wheat.
- Analyzed the polysaccharide (arabinoxylan, starch and b-glucan)/polyphenol composition of different triticales/wheat using GC-FID/HPLC (Presentation at AACCI).
- Evaluated and identified the association of whole grain cereal, dietary habits, and human health.
- Served as TA for Food Analysis Class and advisor for undergraduate research project.
- Established expertise in persuasive communications and social psychology.

#### Doctoral Research Assistant

Delta Corporation - 2008 - 2012

##### Responsibilities:

- Synthesized novel measurement platforms for thermal conductivity, light harvesting, and biological cell imaging.
- Designed and built CW Photoluminescence and Photoconductivity set up Characterized nanowires (Si, SiC, TiO<sub>2</sub>, ZnO, and In<sub>2</sub>O<sub>3</sub>) for their electrical, .
- Developed a fabrication method of novel 2D material Graphene with top-down approach.
- Evaluated formative assessment in math & science classrooms for multi-year grant.
- Timothy Bray)- utilizing a various methodological approaches to assist with facilitating and implementing multiple research projects.
- The Institute promotes and executes approaches emphasizing social justice, and building equity through research efforts, education and community .

### CONTACT DETAILS

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Alabama  
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### SKILLS

Professional  
Development, Microsoft  
Office, Google Docs,  
Wordpress.

### LANGUAGES

English (Native)  
French (Professional)  
Spanish (Professional)

### INTERESTS

Climbing  
Snowboarding  
Cooking  
Reading

### REFERENCES

Reference - 1 (Company  
Name)  
Reference - 2 (Company  
Name)

- Work with outside project leaders and development teams on outcome management techniques, communication and strategies comprising developmental .

## **Education**

Ph.D. in Food Chemistry - 2012(University of Nebraska-Lincoln - Lincoln, NE)