

# Cristina Elise Griffith

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## EDUCATION

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### Domestic

- **Master of Science in Agricultural Economics** with thesis study in Willingness to Pay for Public Services Texas A&M University. College Station, Texas. May 2024 GPA 3.75/4.00
- **Bachelor of Science in Agricultural Business** and a minor in International Studies in Agriculture  
**Bachelor of Science in Agriculture Engineering Technology** and a minor in Spanish  
Mississippi State University. Mississippi State, Mississippi. December 2021 GPA: 3.92/4.00

### International

- **Universidad Nacional de Colombia.** Exchange Student. Bogotá, Colombia. Spring 2020
- **SENA Magdalena.** Precision Agriculture and Language Study Abroad. Santa Marta, Colombia. March 2018

## RESEARCH EXPERIENCE

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### Willingness to Pay for Improved Transit Services in Response to Natural Disasters

- Department of Agriculture Economics, Texas A&M University. February 2023 - May 2024
- Advisor: Dr. James Mjelde

### Variable Rate Nitrogen Effects on Cob Development

- Department of Plant and Soil Sciences, Mississippi State University. August 2021 - December 2021
- Advisor: Dr. Jagmandeep Dhillon

### Economic Feasibility of Precision Agriculture Technology Adoption for Small Farmers

- Department of Agriculture Economics, Mississippi State University. July 2020 - May 2021
- Advisors: Dr. Jeff Johnson and Dr. Wes Lowe
- Mississippi State University Undergraduate Research Community Engagement Award

### Southern Blight in Mississippi Peanuts

- Advisor: Dr. Alan Henn
- Department of Entomology and Plant Pathology, Mississippi State University. November 2017 - May 2018

## INDUSTRY EXPERIENCE

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### International Agricultural Education Fellowship Program (IAEFP) Fellow

Borlaug Institute for International Development. San Juan Chamelco, Guatemala. May 2023 - December 2023

- Partnered with Humanitas Global Development, the U.S. Foreign Agriculture Service, and Texas A&M Borlaug Institute for International Agriculture to participate as a liaison of change
- Collaborated with local educators and community leaders exercising diplomacy to develop sustainable agriculture systems through student entrepreneurship projects and leadership events
- Integrated long and short-range objectives influencing government priorities and direction with the needs of the local residents
- Obtained, evaluated and interpreted factual data to link climate smart agriculture and licit economic rural development

### Product Marketing

John Deere – Blue River Technology. Santa Clara, California. May 2023 - August 2023

- Served as liaison between the high-level engineers, managers, and field technical representatives to professionally and accurately facilitate knowledge sharing of field issues and realities
- Engage customers in corn nitrogen application and cotton harvest aids to gather early customer input and idea collaboration
- Cross-cut issues impeding progress of nitrogen use in agriculture of efficient use of fertilizer
- Prepared concise, precise, and accurate reports using computer software program applications to executive debriefings of visits and findings to inform the higher management

### **Agriculture Engineer Consultant Contractor**

RagoMax. Montería, Colombia. January 2023 - July 2023

- Assessed sustainable and environmentally friendly agricultural practices of Lombricol applications in cacao, yuca, bananano, and platano fields
- Proposed market expansion opportunities to the United States, Ecuador, and Chile
- Confirmed and documented organic production practices for increased sustainability
- Educated cooperative farming groups on the importance of market power
- Recommended and planned new projects, activities, and intervention areas for producers and their operations

### **Agricultural Extension Technician**

Federación de Ganaderos del Cesar (FEGACESAR). Valledupar, Colombia. January 2022 - July 2022

- Offered alternative thought solutions from a foreign experience perspective while comparing legal, social, and cultural differences in Colombian extension
- Multitasked data management for moving-priority projects in lime, cacao, and cattle production
- Developed articles and wrote summaries for AGROSAVIA, Cataruben, ASBAMA Foro Bananero, farm visits, and conservation education events
- Organized POAs (Plan Operativo de Actividades) for projects with Fondo Colombia en Paz, USAID, and ARN

### **Sales and Agronomy Intern**

Helena Agri-Enterprises. Winnsboro, Louisiana. May 2021 - July 2021

- Identified nutrient deficiencies through soil and tissue sampling in management zones to provide variable rate solutions with seed varieties, fertilizers, and chemicals
- Took farmer budget constraints into consideration when discussing crop plans and interacted with external stakeholders to supply farmer needs and ensure that activities meet their intended results
- Project development, oversight, and management of the research plot comparing soybean yields
- Utilized analytical, communication and interpersonal skills and ability to work with a team for my weekly data gathering and being third dependent on my salesman

### **Operations Management Intern**

Archer Daniels Midland – Golden Peanut. Dawson, Georgia. May 2019 - August 2019

- Analyzed the Golden Peanut facility for inefficiencies for a cost saving plan
- Lead colleagues from diverse backgrounds with varying ages and experience
- Managed conflict from customers and between colleagues on site
- Delegated jobs to teams in order to accomplish priority production marks for the day

### **Crop Scout Intern**

Townsend Crop Consulting. Lula, Mississippi. May 2018 - August 2018

- Scouted fields for fungi and disease evidence, pest counts, and irrigation issues
- Maintained regular communication with farmers to inform them of recommendations
- Independently responsible for recording accurate observations and comparing previous counts

## **TEACHING EXPERIENCE**

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### **Texas A&M University Economics Tutor**

Texas A&M University, College Station, Texas. August 2022 - May 2023

- Identified the academic needs of students and created a personalized lesson plan to fit the student's learning style and speed of absorption
- Ensured understanding and retention of the materials by working alternative problem sets until the student confirmed test-ready confidence and comprehension

### **Language Instructor**

English Language Learners In-Home Program, Carson City, Nevada. January 2021 - August 2021

- Committed to preparing weekly lesson plans with review material, activities, and homework
- Assessed student learning needs and adjusted lesson plans accordingly
- Used physical objects, photos, and videos to engage with students through virtual instruction

## Mississippi State University Academic Tutor

Mississippi State University, Mississippi State, Mississippi. August 2019 - September 2021

- Responded to inquiries, prepared briefing materials and used creative alternative examples to reinforce class problems and approaches to concepts
- Encouraged student integrity and determination to understand course materials through finding interesting personal connections and future career applications of learned content

## Water Filter Training

Filter of Hope, La Libertad, El Salvador. December 2018

- Built relationships with the community leaders to understand the structure of the influence
- Planned and executed activities of coordinate efforts for an exchange of information
- Explained how to use, clean, and maintain the water filters systems with a live demonstration
- Taught la comunidad Hacienda San Diego the health benefits of clean water

## LANGUAGES

English – Native  
Spanish – Professional Proficiency  
Portuguese – Limited Proficiency

## SOFTWARE

ArcGIS  
QGIS  
Stata  
AutoCAD  
Microsoft Office  
G Suite / Google Workspace

## ORGANIZATION AFFILIATIONS

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|--|-----------------------------------|
| Texas A&M Agriculture Economics Graduate Student Association       | President Candidate (2024)        |
| Latinx Graduate Student Association                                | Minority Advocate (2023)          |
| Agriculture Future of America (AFA)                                | Campus Representative (2021)      |
| International Food and Agribusiness Management Association (IFAMA) |                                   |
| American Society of Agricultural and Biological Engineers (ASABE)  | President (2021)                  |
| Society of Hispanic Professional Engineers (SHPE)                  | Minority Advocate (2019)          |
| Women in Natural Resources   | Young Membership Recruiter (2019) |
| Soil and Water Conservation Society                                | President (2019)                  |
| National Agricultural Marketing Association (NAMA)                 | Presentation Team (2018)          |
| Agriculture Economics Club   | Treasurer (2018)                  |

## CERTIFICATIONS

### Advancing Learning Through Evidence-Based STEM Teaching. April 2023

Center for the Integration of Research Teaching and Learning (CIRTL). College Station, Texas.

### Intermediate G.R.A.D. Aggie Professional Development Certificate. March 2023

Texas A&M University. College Station, Texas.

### IRB Social and Behavioral Responsible Conduct of Research. January 2023

CITI (Collaborative Institutional Training Initiative) Program. Texas A&M University.

### IRB Social and Behavioral Research, Investigators and Key Personnel. January 2023

CITI (Collaborative Institutional Training Initiative) Program. Texas A&M University.

### TEFL (Teaching English as a Foreign Language) Certification. August 2021

International TEFL Academy. Chicago, Illinois.

### IRB Human Subjects Researcher. January 2021

CITI (Collaborative Institutional Training Initiative) Program. Mississippi State University.

### FAA Part 107 sUAS license. November 2020

Federal Aviation Administration accredited Accessible Aviation. Columbus, Mississippi.

### Precision Agriculture Certificate. December 2019

College of Agriculture and Life Science. Mississippi State University.

## FELLOWSHIPS

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| G. Rollie White Trust College of Ag& Life Science Endowed Master Graduate Fellowship | \$5,000  |
| Texas A&M University Merit Fellowship  | \$33,800 |
| Guatemala International Agricultural Education Fellowship Program (IAEFP)            | \$10,000 |

## **AWARDS AND RECOGNITIONS**

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Mississippi State University President's List  
Sigma Alpha Lambda National Leadership and Honors Organization  
Agriculture Future of America Leaders Conference  
Undergraduate Research Community Engagement Award  
MSU Agriculture Economics Department Newsletter Featured Student  
MSU Agriculture and Biological Sciences Newsletter: Student Spotlight  
Office of Study Abroad Featured Student  
Eagle Aces AMA Mississippi State University Ace Pilot  
MSU Social Science Research Center Annual Report, Colombia Exchange Program

## **PRESENTATIONS**

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### **Willingness to Pay for Improved Hurricane Transit Services**

- Preparedness for, Response to, Innovation on, Mitigation of, and Recovery (PRIMR) Disaster Conference. February 26-28, 2024
- Texas A&M University. College Station, Texas.

### **Why Grad School? Realities and How-To Discussion**

- Texas A&M Undergraduate Aggie REPs Grad Student Panel SKYP Breakfast. March 22, 2023
- Texas A&M University. College Station, Texas.

### **Taking Advantage of Your Time in the Agriculture Economics Department**

- Mississippi State University Agriculture Economics Recruitment Event. October 25, 2021
- Mississippi State University. Starkville, Mississippi.

### **Circuit Board Supply Chain Delivery Improvement**

- Raytheon Technologies Business Case Competition. October 7-9, 2021
- Texas Christian University. Fort Worth, Texas.

### **Fullscale vs. Megafol Yield Results in North Louisiana**

- Marubeni Latin America Country Manager Meeting. August 16, 2021
- Marubeni Corporation. Tokyo, Japan.

### **Economic Feasibility of Precision Agriculture Technology Adoption for Small Farmers**

- MAS 85th Annual Conference. August 5-7, 2021
- Mississippi Academy of Sciences. Biloxi, Mississippi.

### **Fullscale vs. Megafol Yield Results in North Louisiana**

- Helena Products Group Field Trial Results. August 4, 2021
- Helena Agri-Enterprises. Collierville, Tennessee.

### **Economic Feasibility of Precision Agriculture Technology Adoption for Small Farmers**

- World Class Day 4. May 27-28, 2021
- University of Saskatchewan. Saskatoon, Canada.

### **Economic Feasibility of Precision Agriculture Technology Adoption for Small Farmers**

- Undergraduate Research Symposium. April 8-9, 2021
- Mississippi State University. Mississippi State, Mississippi.
- Mississippi State University Undergraduate Research Community Engagement Award

### **El Uso de Drones en la Agricultura**

- XXII Congreso Colombiano, III Congreso APIA Andino de Ing. Agrónomos. November 18-22, 2019
- ASEIAGRO hosted by Universidad del Magdalena. Santa Marta, Colombia.

### **Precision Agriculture in Puerto Rico After Hurricane Maria**

- GreenPoint Ag, Agriculture Technology. October 22, 2018
- Mississippi State University. Starkville, Mississippi.

## **LEADERSHIP EXPERIENCE**

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### **Logistics Coordinator. July 2022**

Freelance. Bucaramanga, Colombia.

- Coordinated and time managed visitors to stay on schedule for lodging, excursions, transportation, and meals
- Conflict managed and problem solved individual request changes from the scheduled itinerary while proactively accommodating and incorporated unanimous vote changes on short notice
- Translated and explain cultural significance of local customs, architecture, and cuisine

### **ASABE Student Organization President. August 2021 - December 2021**

American Society of Agricultural and Biological Engineers. Mississippi State, Mississippi.

- Organized professional development sessions through guest speakers, peer discussions, and resume critiques
- Prepared educational field trips to Research Centers, Graduate School departments, and Conferences in relation to Agricultural Engineering information
- Articulated complex concepts to diverse audiences in student government affairs and connected members with mentors through volunteer opportunities to learn leadership skills

### **SWCS Student Organization President. August 2019 - December 2019**

Soil and Water Conservation Society. Mississippi State, Mississippi.

- Supported a nonprofit, scientific and educational organization to foster the science and art of natural resource management for sustainability
- Managed research group on the Catalpa Creek Watershed supporting hydrologic, hydraulic and ecological assessments of the watershed targeting the implementation of a Water Resources Management
- Engaged with local, regional, and national stakeholders including government agencies, environmental organizations, and community members to build efficient working relationships with diverse organizations

### **Presentation Team Research Group Leader. August 2017 - May 2018**

National Agricultural Marketing Association (NAMA). Mississippi State, Mississippi.

- Presented and defended a 3-year business plan for Cassidy Bayou Farm's Weedy Red Rice to further promote efficient marketing, containing a business proposition, action plan, financial records, and a monitoring and measuring section in the executive summary
- Research group leader and of the MSU NAMA chapter Presentation Team for the national competition
- Strategically organized fund raisers with community partners to spread interested for NAMA support and future sustainable student interest

## **VOLUNTEER SERVICE**

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### **Veterinary Technician. January 2017 - May 2021**

Self Creek Veterinary Clinic. Starkville, Mississippi.

- Committed to early daily scheduled clinic animal feeding times
- Purchased feed and transport feed to designated places and clients
- Reliably restrained aggressive animals during administering shots, teeth floating, tagging, etc.
- Used situation tactics to chase, corner, trap, and catch animals
- Drew vaccines and disinfected animals in preparation for various further veterinary work

### **Peanut Analyst. November 2017 - May 2019**

Peanut Production Research Facility. Starkville, Mississippi.

- Worked with Excel data spread sheet inputting, organizing, and analyzing data
- Trained new employees how to work peanut machinery in the lab
- Harvested, cleaned, sorted, analyzed, and reported data of nationwide peanuts sent to MSU
- Collected observational data from diseased peanut nursery
- Operated, hauled, and maintained peanut picker in the field