

# Evan Buckner

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## EDUCATION

**Ph.D. Student Plant Pathology and Environmental Microbiology** Expected May 2026  
**G.P.A.: 3.8**  
**Pennsylvania State University**

## RESEARCH EXPERIENCE

**Pennsylvania State University – State College, Pennsylvania**

**Paul Esker, Department of Plant Pathology and Environmental Microbiology** August 2021 - Present

- Co-authored research article on *Pythium* spp. of Industrial Hemp in the United States
- Ph.D. project covering the next generation diagnosis of soilborne pathogens of industrial hemp

**2020 Kansas State Research and Extension Multicultural Summer Fellows Program** June 8, 2020 – July 31, 2020

**Johanna Dille Lab, Department of Agronomy**

- Assayed water use efficiency in C3 and C4 weedy species over early developmental stages
- Conducted a meta-analysis on previous journal articles on soil water relations with weed infested cropping fields

**University of Arkansas – Fayetteville, Arkansas -Soil Ecology and Pathology lab**

**Alejandro Rojas Lab, Department of Plant Pathology and Entomology** August 2019 – 2021

- Evaluate fungicide sensitivity levels to *Cercospora* spp. and *Corynespora cassiicola* in soybeans and cotton
- Study effective control measures for growers of plant pathogenic fungi for Mississippi Delta Region in Arkansas state

**Michigan State University – Lansing, Michigan - Summer Research Opportunities Program**

**Martin Chilvers Lab, Department of Plant, Soil, and Microbial Sciences** May 19, 2019 – July 28, 2019

- Studied mitigation of the *Phyllachora maydis* of Corn through cultural practices
- Developed experimental procedures for controlling the spread of Tar Spot Disease of Corn through soil fertility and planting population
- Participated in a 2 week program for physics study studying gamma rays of isotopes and mechanisms of vacuum pumps

## SYMPOSIUM PRESENTATIONS

**Emerging Researchers National Conference (ERN) Washington, D. C.** February 2019, 2020

- Lectured in the Biological Sciences Category in 2019 on *Phyllachora maydis* research
- Presented an oral presentation in the Biological Sciences Category in 2018 on flavonoid research in maize
- Engaged with conference attendees in professional development seminars on Science Technology Engineering and Math and graduate school preparation (STEM)

**Annual Biomedical Research Conference for Minority Students (ABRCMS) Anaheim, CA** November 2019

- Presented poster presentation in Cell and Molecular Biology Category on 2018 flavonoid research in maize
- Engaged with conference attendees STEM research professional development presentations

**Mid-Michigan Symposium for Undergraduate Research Experiences (Mid-SURE)**

July 2018, 2019

- Discussed with area researchers and guests with a poster presentation in Animal and Agricultural Sciences Category in 2019 on *Phylloachora maydis* research
- Articulated summer research information with a poster presentation in Animal and Agricultural Science Category on 2018 flavonoid research in maize
- Evaluated and provided feedback on fellow poster presentations in Animal and Agricultural Sciences category

**AWARDS**

**Scholarships and Grants**

- University Graduate Fellowship 2021
- Caviness Endowed Scholarship 2020
- Mr. and Mrs. Cy Carney Scholarship 2020
- Dr. and Mrs. J. O. Legg Crop, Soil, and Environmental Sciences Scholarship 2020
- Eddie Davis Scholarship 2020
- Louis Stokes Alliance for Minority Programs Research Grant 2019 – 2020
- Lyell and Marcella Thompson Endowed Scholarship 2019 – 2020
- Charles S. Stutte Scholarship 2019

**Emerging Researchers National Conference Washington, D. C.**

February 2019, 2020

- Awarded a travel award and third place for oral presentation in Biological Sciences for 2018 summer research

**Boy Scouts of America White Hall, Arkansas Troop 391**

April 2017

- Obtained the rank of Eagle Scout for project through building community greenhouse at Pine Bluff High School in Pine Bluff, AR

**LEADERSHIP POSITIONS**

**Minorities in Agriculture and Natural Resources and Related Sciences**

August 2020 – May 2021

**Vice President**

- Assist the president in leading all meetings and business opportunities
- Outreach to community organizations for networking, building relationships, and fundraising activities

**Dale Bumpers College of Food, Agriculture, and Life Sciences**

May 2019 – May 2021

**Student Ambassador**

- Student ambassador for the 130 students in the department of Crop, Soil, and Environmental Sciences
- Conduct outreach to future students into the department
- Represent the department in college wide educational functions