

James Allen de Figueiredo Riggs

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Objective: To advance the use of insects in industry— including as a food source in agriculture, a resource in biofuels, and for waste management— for use both on Earth and celestial applications

Languages (in decreasing order of fluency): English, Português, español, 日本語(Japanese)

Education:

College of Charleston

B.S. in Biology (Cum Laude), Minor in Portuguese and Brazilian Studies (Summa Cum Laude)

Charleston, SC

Spring, 2019

Sumter High School

International Baccalaureate Diploma

Sumter, SC

Spring 2015

Experience:

Texas A&M University

Aug 14 2024-Present

Graduate Assistant Teaching

College Station, TX

- ENTO-210:200,500
- ENTO-423:501,201; ENTO-427:500,501,502,503,504,200,201,202,203

South Carolina State Park Service

Jan 23 2024 - Aug 3 2024

Poinsett State Park Assistant Ranger

Wedgefield, SC

- Establish and manage Nature Center (Corn snake, park lake organisms tank, Ant colony)
- Establish and manage aluminum recycling
- Operate Retail Store/Visitor Center
- Manage reservations of 5 Cabins, 60 Campsites, and 5 Shelters
- Building repairs and general maintenance and cleaning of Cabins
- Public Bathrooms cleaning and waste management
- Maintain grounds of 1,000+ acres
- General vehicle maintenance
- Lead programs {snake feedings/info demos, off park presentations, local fauna (esp. insects) tours}
- Organize digital files and prepare flyers for Nature Center, recycling, resource management, and park info booklet
- Manage boat rentals and fishing in 10 acre lake
- Maintain trail use of 26 miles of trails
- Liaison between Poinsett and local town
- Interpret natural, cultural, and historical resources

Independent Contractor

May 2022- 2024

Mover/Estate Sale/Construction

Pamplico/Sumter, SC

- Home and Yard repair: roofing, carpentry, landscaping, et cetera

Catholic Church (Saint Anne & Saint Jude Parish)

2021 - 2023

Youth Praise-band Director

Sumter, SC

Catholic Church (Saint Anne & Saint Jude Parish)

2020 - 2023

Assistant Youth Minister

Sumter, SC

Scouts BSA (Troop 86)

Fall 2015 - Fall 2024

Assistant Scoutmaster

Sumter, SC

Merit Badge Counselor: Environmental Science, Railroading, Insect Study

Sumter Packaging Corporation

Jan 20 2020 - Mar 25 2022

Machine Operator

Sumter, SC

- Operate machines Slitter and Bandsaw for cutting and scoring corrugated materials
- Aid other machine operators on their respective machines

Spring Island Trust

May 14 2019 - July 26 2019

Intern

Okatie, SC

- Add to island's insect species list, with photographic and specimen documentation
- Aid entomologists with pollinator study (Bee bowls)
- Aid ornithologist with Chuck-will's-widow population survey
- Design, build, and install houses for native bees
- Assist with animal care in nature center (predominantly reptiles, amphibians, and freshwater and marine fishes)
- Presentation of findings in a lecture to Spring Island members
- Organizing and general assistance in office work duties
- Camp counselor assistant for youth summer camp

Center for Excellence in Peer Education (CEPE)

under the First Year Experience at the College of Charleston

Charleston, SC

Team Leader

Aug 2018 - May 2019

- Continue **Peer Facilitator** role
- Lead Peer Facilitator Meetings
- Disseminate information from Administration to Peer Facilitators
- Manage front desks for the First Year Experience office and the CEPE office
- Design and run Peer Facilitator Training day in the Spring

Peer Facilitator

Mar 2016 - Aug 2018

- Create lesson plans for classes to be conducted
- Conduct classes for College of Charleston Freshmen
- Meet with fellow Peer Facilitators to aid each other in developing lessons and aiding Freshmen
- Meet with Faculty and Administrators regarding students
- Meet with students to more personally aid in their college endeavors

College of Charleston

March 2016- May 2019

Van Driver

Charleston, SC

- Transport students to and from classes, class field trips, and student organization/club trips

Independent Contractor

May 2018- Aug 2018

Factotum

Pamplico, SC

- Home and Yard work: grass cutting, hedge trimming, tree maintenance, horticulture, furniture construction, demolition and debris clearing, animal care, house cleaning and organizing, et cetera

Landscaping Company

Assistant Landscaper

- Grass cutting; hedge trimming; hedge removal; tree, shrub, herb, angiosperm planting; sprinkler plumbing; et cetera

June 2016- July 2016

Sumter, SC

Presentations:

Platform

2020 Feb 13. Ant and Snake Life Histories. University of South Carolina Sumter. Sumter, South Carolina.

2022 Sep 15. Black Soldier Flies and Space Colonies. Holy Trinity Episcopal Academy. Melbourne, Florida.

Poster

Riggs, J. A. deF., A. L. Neisch, and J.K. Tomberlin.

2024 Nov 4. Xeroprotection/Cryopreservation for Insects in Agriculture: Developments for a Bio-Economy & Circular Economy *Hermetia illucens* (Diptera: Stratiomyidae). National Science Foundation Center for Environmental Sustainability Conference. Durham, North Carolina.

Awards:

- Sumter High School
 - Faculty Citizenship Award 2013-2014 academic year
 - International Thespian Society 2013
- Boy Scouts of America
 - Eagle Scout 2015
- College of Charleston
 - President's List Fall 2015
 - Dean's List Fall 2016
 - New Student Leader Award 2016
 - Student Organization Program of the Year 2019
- Department of Hispanic Studies
 - Certificate of Outstanding Performance in Portuguese 202 Spring 2017
 - Outstanding Student of Portuguese 2017
 - Member of Phi Lambda Beta (Portuguese National Honor Society) 2019

Scholarships:

- South Carolina Palmetto Fellows Scholarship
- South Carolina Palmetto Fellows Scholarship Enhancement
- College of Charleston Merit Scholarship
- Father Scott Buchanan Memorial Scholarship
- Bruorton Memorial Scholarship
- Thomas B. Jenkins Memorial Scholarship

Other:

- Aid in formation of Portuguese and Brazilian Studies Minor at the College of Charleston (CofC)
- Founder of Doctor Who Club at CofC
- Vice President of Catholic Student Association at CofC 2018-2019
- Knights of Columbus Council 2207 Knight of the Month Aug 2023