[**zadarreyal.wiggins@gmail.com**](mailto:zadarreyal.wiggins@gmail.com) **ZaDarreyal Wiggins (334) 790 – 1723**

**SKILLS**

* 7+ years of microbiological and diagnostic laboratory procedures
* 10+ years of Microsoft Office Programs, data analysis and input
* 10+ years of Internet Browser Proficiency (Internet Explorer, Google Chrome, Mozilla Firefox)
* 7+ years of technical writing and research
* 10+ years of computer software
* 7+ years of project management
* 7+ budget management

**CERTIFICATIONS**

* Produce Safety Alliance Grower Trainer

**EDUCATION**

2011-2014 Master of Science in Plant Science, *magna cum laude*, Florida A&M University, Tallahassee, FL

Thesis: “Chromatin Structure and Genome Response to Drought Stress in Maize”

Thesis Presentations: 2011 Maize Genetic Conference (Portland, OR), 2013 17th Biennial Research Symposium (Jacksonville, FL), 2013 Monsanto & Council of 1890s Student Leadership Event (St. Louis, MO), and 2013 "Mission Trip" Study Abroad in South Africa

2007-2011 Bachelor of Science in Agribusiness Management, *cum laude*, Alabama A&M University, Huntsville, AL

**WORK EXPERIENCE**

**Florida A&M University/Gadsden County**

**Agriculture and Natural Resources Extension Agent 2015 – present**

* Design and manage sustainable agricultural programs
* Coordinate with research specialists on agricultural crop varieties, management and disease control
* Provide technical training in agricultural operations
* Design marketing strategies for programs
* Monitor farms to be sure of compliance of agricultural practices and policies
* Consult with clients regarding management and analytical skills
* Perform diagnostic and microbiological laboratory procedures to determine diseases, pests, etc.
* Media preparation/sterilization and utilize aseptic technique during sample preparation
* Collaborate with producers to diagnose and prevent management and production problems
* Advise farmers and demonstrate techniques in areas such as feeding and health maintenance of livestock and crops, growing and harvesting practices, and financial planning
* Coordinate workshops to help landowners care and manage trees, forests, wildlife and natural habitats
* Conduct agricultural research, analyze data, and prepare research reports
* Provide direct assistance to farmers by performing activities such as purchasing or selling products and supplies, supervising properties, and collecting soil and herbage samples for testing
* Teach environmental practices to the community to protect public health and safety

**Qualitest – Pharmaceutical Company**

**Quality Control Technician 2014 – 2015**

• Follows pharmaceutical processes related to controlled substances

* Perform physical analyses per SOPs and follow internal processes related to controlled substances
* Perform quality assurance techniques for product samples
* Ensure that all results are within specification of Good Management Practices
* Obtain batch records, performance metrics, and financial reports
* Provide technical support and data entry

• Follows EH&S procedures to ensure a safe work environment

* Confirm material identity and quantity through visual inspection against supplier/internally provided documentation and CoA
* Monitor production practices to ensure compliance with Quality Control procedure

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**Florida A&M University**

**Research Assistant 2011-2014**

* Researched plant biology and pathology
* Processed samples, conducted laboratory analyses, data entry, and prepared reports
* Developed new experimental methods involved in biochemical research projects
* Performed common techniques in the lab including molecular biology, PCR, cell culture, biochemistry/protein purification
* Protein isolation and purification, including chromatography and protein characterization
* Trained other lab personnel, OPS technicians, grad students, post-docs, researchers and other visiting scholars in laboratory techniques
* Coordinated and participated in field sampling including operation of field sampling equipment, processing and preservation of collected samples
* Provided care for research animals/plants throughout the department, preparing specimens and samples for analysis
* Recorded research procedures and results; filed and maintained records; used computers to perform mathematical calculations for data representation
* Overseen laboratory operation including maintenance of appropriate safety certification and procedures, proper collection and disposal of hazardous waste, and purchasing of required laboratory supplies
* Operated laboratory equipment, such as centrifuges, pipetting machines, pH meter, spectrophotometers, balances, etc.

**Home Depot**

**Gardening & Freight Associate 2013**

* Responsible for unloading, processing and stocking all incoming freight to the sales floor and stockroom areas
* Replenished merchandise to the sales floor from the stockroom and maintained all company stockroom capacity and organizational guidelines
* Assisted in day-to-day store functions, including store maintenance, straightening and consolidating plant products, providing knowledge of products to customers