

Zuri Dale

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EDUCATION:

B.S. Biology	Texas Southern University	May 2011-Cum Laude
MWM Water Mgmt. & Hydrological Sciences	Texas A&M University	August 2014 GPA: 3.7

SCHOLASTIC HONORS/AWARDS:

Bridge to Doctorate Fellow/NSF-August2011- August 2013
Excellence in Research Award 2011
Texas Space Grant Scholarship Recipient 2010
Thurgood Marshall Scholar 2010
Excellence in Research Award 2009
McNair Scholars Program June 05/2009-05/2011
Science Technology Enhancement Scholarship Program (STEP)-08/2007-05/2011
Houston Livestock Show and Rodeo Scholarship 08/2007-05/2011
Worthing Scholarship for Academic Achievement08/2007-05/2011
Frederick Douglass University Honors Program Scholar 08/2007-05/ 2011

RESEARCH PRESENTATIONS and CONFERENCES

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- 30th Annual STEM-Ready Research Symposium and Conference Keynote Speaker
- Dale, Z., Thomas, R.Galvan, G., 2005 “Characterization of Volatile Organic Compounds and E.coli in Urban Watersheds”,
- 2004-2005 TWWA / WEAT(Texas Water Works Association/Water Environment Association of Texas) Grand 1st place Special Award in Environmental Science
 - 2004-2005 Environmental Protection Agency Award for Outstanding Project in the Field of Science
- Dale, Z., Thomas, R. Galvan, G., 2006 “Identification of Trace Metals in City of Houston Fire Departments”
- 2005-2006 TWWA / WEAT(Texas Water Works Association /Water Environment Association of Texas) Grand 1st place Special Award in Environmental Science
 - 2005-2006 Environmental Protection Agency Award for Outstanding Project in the Field of Science
- Dale, Z., Thomas, R. Wilson, B. “Characterization of Organic Compounds in the effluent of wastewater Treatment Plants
- 2008 Historically Black Colleges and Universities Conference (HBCU-UP)
 - 2009 Historically Black Colleges and Universities Conference (HBCU-UP) 1st Place Prize
 - 2009 Southeastern Association of Educational Opportunity Program Personnel Conference (SAEOPP)3rd Place Prize
 - 2009 13th Annual Ronald McNair MKN Conference
- Dale, Z., Thomas, R Wilson, B. “Assessment of Environmental Estrogens in the Galveston Bay Watershed.”
- 2010 113th Texas Academy of Science (TAS) Research Conference
 - 2010 36th National Association for the Professional Advancement of Black Chemists and Chemical Engineers
 - AAAS Emerging Researchers National Conference in STEM 2011- 1st Place Prize
 - NOBCCHE National Conference in STEM 2011-2nd Place Prize
- Dale, Z., “Clostridium Botulinum”
- 2010 Award for Best Toxic Substance Presentation given to a panel of Centers for Disease Control and Prevention (CDC) /Agency for Toxic Substances and Disease Registry (ATSDR) reviewers
- Dale, Z., “Selenium Removal using Biogenic Manganese Oxide”
- NSF/TAMUS/LSAMP 9th Annual Symposium, 2013
- Dale, Zuri, Karthikeyan, R. “Studies on biological removal of Mn (II) in water using *Pseudomonas putida* MnB1”
- TWRI/TAMU Water Daze Poster Symposium 04/2013
 - Hispanic Leaders in Agriculture and the Environment Annual Research Symposium 2013
- 245th American Chemical Society (ACS) National Meeting & Exposition, 04/2013-Attendee
40th National Association for the Professional Advancement of Black Chemists and Chemical Engineers Meeting 09/2013

EMPLOYMENT/INTERNSHIPS/PROFESSIONAL EXPERIENCES

Texas Southern University, Biological Sciences Adjunct Professor, 08/2015-Present

- Responsible for instructional preparation and delivery of Biological Sciences content at the collegiate level
- Evaluates student performance promptly and accurately based on departmental rubrics

Yes Prep Public Schools, Intro-to-Algebra Teacher and Curriculum Writer, 07/2014-Present

- Plan and delivers engaging, rigorous lessons
- Actively participates in all teams, including grade level, content team, and other teams as designated by the campus
- Served as Curriculum Writer after Year 1 and assisted in creating course curriculum and norming standards

- Exceeded minimum expectations of 1st Year Teacher and promoted to Year III classification

Texas Parks and Wildlife Intern District 3-E, Snook, Texas, 05/2013-08/2013, 05/2014-07/2014

- Primarily responsible for identifying stakeholders in the development of San Jacinto Watershed conservation management plan
- Assisted with fisheries management practices of freshwater community lakes and ponds
- Assisted with fish population monitoring and habitat vegetation planting for Texas freshwater lakes
- Assisted in analyzing water quality parameters of Biological Oxygen Demand, pH, and temperature in surface water bodies at project sites

Methods of Technological Change Study Abroad, Trinity and Tobago, West Indies-03/2012

- Reviewed water quality and ecosystem health of Caroni River
- Studied international agricultural technologies and practices.

Texas A&M University, Water Quality Engineering Laboratory, 08/2011-03/2014

- Assisted with preparing, collecting, and analyzing environmental water samples
- Performed complex chemical analysis of water samples
- Bacteria Enumeration using standard dilution plating techniques
- Analyzed water samples using colorimetric procedures
- Prepared technical papers regarding involving samples involving environmental samples
- Prepared reports which document laboratory activities
- Communication/distillation of technical information
- Experience handling multiple tasks and organizing multi-level projects
- Communicated with others in order to provide information, advice, and guidance to research team
- Evaluation of planning material prepared by other members of research team

STEM READY Internship Program, Texas Southern University 05/2011-08/2011, 05/2012-08/2012, 06/2015-08/2015

Served as Assistant Program Coordinator in the STEM-READY Internship program whose mission is “to train the next generation of scientists.” Responsibilities included:

- Manager of Summer Staff
- Oversaw and facilitated weekly Professional Development Modules and weekly Brown Bag Seminar Series
- Participated in review and evaluation of staff
- Organization of multi-level projects
- Reported directly to Program Coordinator.

Office of Information Technology, Texas Southern University, 08/2010-05/2011

- Biology, Chemistry, English, and Organic Chemistry tutor.

Centers for Disease Control and Prevention, Chemical Weapons Elimination Branch, Atlanta, Ga., 06/2010-08/2010

- Assisted in drafting a document that detailed the importance of the safe destruction of the Army’s stockpile of chemical weapons for the protection of public health
- Assisted in Computational Toxicology Project that used QSAR methods to identify non-carcinogenic effects associated with certain chemicals
- Visited disposal facility locations to ensure compliance with Federal regulations
- Attended project meetings as necessary

Student Support Services, Texas Southern University, 10/2009- 05/2010

- Biology, Chemistry, and Organic Chemistry tutor.
- Met weekly with assigned students to ensure academic progress

NASA Students Pursuing Academic and Career Excellence (NSPACE)/Texas Southern University 09/2008-05/2011

- Worked in a laboratory setting determining the presence of environmental estrogens in Galveston Bay Watershed performing analysis of water and wastewater samples.
- Communicated with others in order to provide information, advice, and guidance to research team
- Assisted with collection and preparation of environmental samples
- Analyzed and interpreted chemical analysis according to established laboratory procedures
- Analyzed sample components using High Performance Liquid Chromatography, Inductively Coupled Plasma Mass Spectrometry and Gas Chromatography Mass spectrometry as well as basic Instrument troubleshooting and maintenance
- Prepared and maintained laboratory supplies to ensure laboratory productivity
- Conducted technical inspections and follow-up investigations at sample collection sites
- Prepared reports which documented field activities and observed conditions
- Conducted independent research and prepared technical papers regarding studies involving environmental water samples
- Participated in the review and evaluation of plans and criteria for projects and evaluation of planning material from supervisors
- Experience handling multiple tasks and organizing multi-level projects

Mickey Leland Kibbutzim Internship, Tel Aviv, Israel, 06/2006

- Non-profit leadership program that enables students to work, travel and live in Israel for one month

CLUBS and PROFESSIONAL AFFILIATIONS

American Chemical Society, 05/13-08/2014

“The Drop” Newsletter Contributing Editor, 08/12-05/2014

Biological Agricultural Engineering Graduate Student Association, 08/12-05/2014

Hispanic Leaders in Agriculture and the Environment Fellow (HLAE) 08/2011-05/2014

American Water Resources Association (AWRA) 08/2011- Present

Early Medical School Acceptance Program (EMSAP) 06/2010- 06/2011

Student Government Association, Director of Student Initiatives 06/2010-05/2011

Dean Search Committee-04/2010

National Association for the Advancement of Colored People 08/ 2009-05/2010, Co-Chair of Fundraising

University Program Council Executive Board, 08/2009- May 2010

Ronald E. McNair Scholars Program 05/2009- 05/2011

National Assn. for the Professional Advancement of Black Chemists and Chemical Engineers 03/2009-Present

Hugh O’Brien Youth Leadership Alumni (HOBY) 06/2005-Present

FELLOWSHIPS & GRANTS

- **Hispanic Leaders in Agriculture and the Environment Fellow**, Texas A&M University
- **Bridge to Doctorate Fellow**, Texas A&M University 2011-2013: 30,000/year and 9,000/year tuition assistance

SKILLS

- Knowledgeable of proper laboratory safety technique.
- High Performance Liquid Chromatography
- Gas Chromatography Mass Spectrometry
- Sample Collection and Solid Phase Extraction
- Cell Culturing
- Able to complete tasks with minimal supervision
- Possess strong oratory, writing and communication skills.
- Proficient in Microsoft Word, Excel, and PowerPoint.
- Biological Safety Level 2 Laboratory Training and Certification

REFERENCES

Available upon Request

