

ZERICK DUNBAR

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3400 Kent Ave Apt C201 Metairie, LA 70006

OBJECTIVE

Highly motivated professional pursuing a career in an energetic research and/or health care environment where I can utilize my exceptional work ethic and problem-solving talents to develop and improve systems

EDUCATION

M.S. in Biomedical Engineering, Tulane University **May 2016 to May 2017 (anticipated)**

Research Assistant to Damir Khismatullin, Ph.D.

- ◇ Projected Masters Research Thesis Project: Coagulation and Adhesion Investigations in Sickle Cell Disease via Biomedical Acoustics and Vascular Endothelium Interactions

B.S.E. in Biomedical Engineering, Tulane University **August 2009 to May 2013**

Horatio Alger Louisiana Scholar, Robert C. Byrd Scholarship Recipient, Louisiana TOPS Honors award

Research Assistant to Damir Khismatullin, Ph.D.

April 2012 to May 2013

- ◇ Undergraduate Research Thesis Project: Investigated adhesion mechanisms of sickle erythrocytes to vascular endothelium via static adhesion assays

Capstone Team Design Project: Unidirectional Brownian Signal Emitter

September 2012 to May 2013

- ◇ Designed and constructed a personalized Unidirectional Brownian Signal Emitter for reduction of auditory distraction in the form of an adjustable sound dome

WORK EXPERIENCE

LabCorp Service Representative

September 2016 to Present

Laboratory Corporation of America Holdings (LabCorp)

Metairie, LA

- ◇ Lab specimen collection and delivery via routes that include client-facing time in patient service centers, doctors' offices, medical centers, and lockbox drop-offs
- ◇ Track, handle and process specimen samples
- ◇ Regularly identify and document specimens manually and electronically, and fill necessary supply requests

Laboratory Technician II – Exxon Mobil QAL Outsourcing

March 2015 to April 2016

SGS North America, Inc. – SGS Oil Gas & Chemicals Services

Baton Rouge, LA

- ◇ Accountable for timely laboratory analysis and reporting of various products such as fuel oils, crude oils, distillates, petroleum and petrochemicals
- ◇ Understand and keep current with all laboratory safety and reporting techniques, and laboratory analysis methods
- ◇ Assist with the maintenance and calibration of laboratory equipment

Middle School Teacher and Assistant Athletic Coach

August 2013 to December 2014

Catahoula Parish School System

Sicity Island, LA

- ◇ Provide creative lesson planning for multiple proficiencies, including reading, writing, language, spelling, mathematics, social studies, science, arts, and physical education
- ◇ Preparation for and administration of annual state assessment exam
- ◇ Assist with defensive, strength, and conditioning coaching duties of school's football and basketball teams

Senior Laboratory Technician

October 2010 to May 2013

Biomedical Engineering Department, Tulane University

New Orleans, LA

- ◇ Maintain shared core lab for use by multiple users and departments including supervisory and training duties for junior lab technicians
- ◇ Create and maintain equipment records and establish regular maintenance activities to prolong equipment life
- ◇ Responsible for shared store room sales, paperwork and inventory
- ◇ Necessary package assembly, processing, pick-up, and delivery

Summer Engineering Student Worker**June 2012 to August 2012**

Louisiana Department of Transportation and Development

Chase, LA

- ◇ Preparation of soil samples that included plasticity indexes, hydrometers, pH and resistivity measurements, and gradations; treatment of concrete and soil cement cylinders
- ◇ Performed soil and roadway surveys
- ◇ Maintained and calibrated lab equipment in a teamwork environment

SKILLS

MATLAB	Microsoft Word	Research	English (native)
LabVIEW	Microsoft Excel	Cell Culture	Spanish (basic knowledge)
SolidWorks	Microsoft PowerPoint	Static Assays	Data Analysis

ACTIVITIES AND INVOLVEMENT

- ◇ **Sicily Island Quarterbacks Club – Co-founder and Executive Director**
 - Community organization dedicated to the development, continuance, and advancement of my alma mater Sicily Island High School's students and student programs [www.facebook.com/siqbclub]
- ◇ **Camp Quality USA, Inc. – Camp Quality Louisiana**
 - Assisted as a volunteer in the operations, activities, supervision, and companionship of campers at Camp Quality Louisiana 2014 and donated funds to the organization in 2015
- ◇ **Biomedical Engineering Society**
- ◇ **2012-2013 Vice President, NSBE Tulane University Chapter**
- ◇ **Volunteering Efforts – Outreach Tulane / New Orleans Outreach / CACTUS**
 - Community Action Council of Tulane University Students (CACTUS)
 - Aided in the removal of debris and clearing of homes in LaPlace, LA after Hurricane Isaac
 - New Orleans Outreach
 - Tutored students in Geometry, Biology II, and standardized test preparation at New Orleans Charter Science and Mathematics High School
 - Outreach Tulane
 - Supported in volunteer efforts at KIPP Renaissance High School in New Orleans to clean the auditorium and re-paint interior walls

SPECIAL INTERESTS

Biology, hematology, and epidemiology

Health care policy, systems, and equipment

Community volunteering

REFERENCES

Name	Association	Relationship	Phone
Dr. Donald Gaver (dpg@tulane.edu)	Tulane University Biomedical Engineering	Department Chair, Professor, and Former Project Mentor	504-865-5150
Mrs. Phyllis Parker (pparker@cpsbla.org)	Catahoula Parish School System - Sicily Island High School	Former Supervisor	601-431-1345
Ms. Megan Ohar (meganohar@gmail.com)	Medtronic (formerly Tulane Biomedical Engineering)	Former Supervisor	504-939-9915
Mrs. Cindy Stewart (cstewar3@tulane.edu)	Tulane University Biomedical Engineering	Personal Reference	504-314-2926
Mr. Derrick Frazier	Franklin Medical Center - Winnsboro	Personal Reference	318-715-0732
Dr. Damir Khismatullin (damir@tulane.edu)	Tulane University Biomedical Engineering	Professor and Research Advisor	504-247-1587