**Victoria Lightfoot**

**(281) 743-0623 · vlightfoot31@gmail.com**

**1550 Crescent Pointe Pkwy Apt 4107 College Station, Tx 77845**

**Objective Statement**

**❖ By obtaining a doctoral degree in the field of biology or genetics I hope to establish a strong foundation in research methods as well as gain the necessary academic background to help springboard myself into a research position in NASA’s space biology research program.**

**Education**

**❖ Texas A&M University, College Station, TX- *Bachelors of Science in Biomedical Sciences, Minor in Psychology***

**August 2015- August 2019 GPA: 3.03**

***Biomedical Science is the broad field of applied biology related to health and disease. The curriculum includes physical science and life science courses and a wide array of applied electives.***

**Relevant Courses: Biomedical Genetics, Biomedical Anatomy, Biomedical Microbiology, Biomedical Physiology, Seminar in Biomedical Sciences, Modern Biological Threats, Biology, Chemistry, Organic Chemistry, Biochemistry**

**❖ Western Texas College**

**Summer 2018**

**Courses for Transfer**

**❖ Lone Star College**

**Summer 2017 / Summer 2017**

**Courses for Transfer**

**Work Experience/ Research Experience**

**❖ Lynntech, Inc. College Station, TX — *Research Assistant***

### **June 2021 – June 2023**

**Industry research for government agencies such as NIH, Department of Defense, NASA, CDC, etc. Allowed experience in technical writing, exposure to grant writing, hands on wet lab experience, critical thinking and troubleshooting and collaboration with clinical partners. Held a supervisory position after 1 year.**

**❖ Discovery Genomics, Irvine, CA — *Accession Tech***

### **Aug 2020 – April 2021**

**Allowed for hands-on experience in a lab handling infectious disease specimens from the COVID pandemic.**

**❖ Texas A&M University System, College Station, TX — *Undergraduate Lab Assistant***

### **May 2019 - August 2019**

**Gained lab experience in a professional research setting. Worked under professor Dr. Ulfar Bergerthorsson, in a genetics research lab on genetic mutations in *Caenorhabditis elegans.***

## **❖ Keystone Plastic Surgery Center, Woodlands,TX — *Intern***

### **May 2017 - August 2018**

**Allowed for growth in communication skills and opportunities to work directly with patients and medical professionals. Gained experience in a medical/ hospital setting. Scrubbed in on surgeries and procedures**

**❖ Texas A&M University System, College Station, TX — *Undergraduate Lab Assistant***

### **Oct 2016 - August 2017**

**Worked under professor Dr. Kevin Cummings, in a microbiology research lab collecting and analyzing data of Campylobacter prevalence among shelter dog populations in and around the College Station area.**

**Publications/ Honors/ Awards/ Certifications**

**❖ Co- Authored a Paper Published In *Instars: A journal of Student Research;***

***Effects of Peppermint Oil and Vinegar on killing and preventing the Red Imported Fire Ant, Solenopsis invicta (Hymenoptera: Formicidae) in households***

**Published 2019-11-04 in Vol 5**

**Explored non toxic pest control options for the invasive species *Solenopsis invicta* (fire ants)**

**❖ Co- Authored a Paper Under Review In *Experimental Eye Research;***

***Innovative Cold Atmospheric Plasma (iCAP) Decreases Corneal Ulcer Formation and Bacterial Loads and Improves Anterior Chamber Health in Methicillin Resistant Staphylococcus aureus Keratitis***

**Under Review August 2023**

**❖ President’s Achievement Scholarship Recipient**

**Scholarship awarded for undergraduate studies based on outstanding academic performance**

**❖ Certification: Effective Use of Class II Biological Safety Cabinets - Biosafety**

**Texas A&M University**

**April 2016**

**❖ Certification: Basic Life Support**

**American Heart Association**

**November 2019**

**❖ Certification: Emergency Medical Responder**

**American College of Emergency Physicians**

**December 2019**

**❖ Certification: PADI Open Water**

**Open water dive certification**

**July 2023**

**Technical Skills**

**● Proficient in scientific writing/ journal style format**

**● Familiar and capable of implementing proper PPE and lab safety**

**● Experience in genetics, biology, chemistry and microbiology labs**

**● Proficient in BSL2 procedures**

**● Experience in clinical laboratories**

**● Experience handling highly infectious agents**

**● Experience handling human samples**

* **Bacterial cell culture**

**● Pipetting**

**● PCR/ qPCR**

**● RPA**

**● ELISA**

**● Gel Electrophoresis**

* **LFA**