

MELISSA J WOMACK

Phone: (512) 568-5185

Location: Dallas, TX 75214

GitHub: <https://github.com/Melissajwomack>

Portfolio: <https://melissajwomack.github.io/portfolio-v2/>

Email: m.womack010101@gmail.com

Summary

Recent graduate with an MSc in Bioinformatics and Computational Biology. Skills in programming, algorithm analysis, and data engineering. Passionate about developing and contributing to products that impart practical and innovative solutions. Competency in teamwork, discipline, communication, and adaptability as demonstrated by previous military experience.

Skills

JavaScript	jQuery	C++	SQL
HTML	API Integration	Python	NoSQL
CSS	Responsive Web Design	Git/GitHub	OSX/Linux/Windows

Certifications

Full Stack Web Development Certificate , The University of Texas at Austin	October 2018
---	--------------

Education

Master of Science in Bioinformatics and Computational Biology	May 2021
The University of Texas at Dallas, Richardson, TX	GPA: 3.65

Bachelor of Science in Microbiology	May 2018
Texas State University, San Marcos, TX	GPA: 3.76
<i>magna cum laude</i>	

Relevant Coursework

Algorithm Analysis and Data Structures	Web Programming Languages
Database Design	Medical Image Analysis
Machine Learning	Probability and Statistics for Data Science
Bioinformatics	Combinatorics and Graph Theory

Experience

Graduate Student Research	February 2020 – December 2020
----------------------------------	-------------------------------

Department of Biological Sciences, University of Texas at Dallas, Richardson, TX

- Engaged in a comparative genomics study of bacterial samples from postmenopausal women with chronic or recurrent urinary tract infections to illuminate mechanisms of pathogenicity and persistence of the organisms
- Developed skills in data analytics, communication, and project development

Microbiology Technician	February 2019 – August 2019
--------------------------------	-----------------------------

Clinical Pathology Laboratories, Austin, TX

- Processed and handled over 200 clinical samples a day while adhering to safety protocols and ensuring quality control to provide fast and reliable results for patients
- Assisted in the identification of clinically relevant organisms using biochemical assays and ELISA

Veterinary Food Inspection Specialist	April 2007 – October 2015
--	---------------------------

United States Army

- Collaborated in creating and implementing a database that kept track of 9.3 million dollars of inventory
- Performed the inspection of food designed for human consumption to preserve the health of soldiers
- Assisted veterinarians with animal medicine during humanitarian missions in remote areas