

## MELISSA J WOMACK

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### Summary

Master of Science graduate student at The University of Texas at Dallas in the Bioinformatics and Computational Biology – Computer Science Track program. Teacher's assistant and contributing member of a research lab. Anticipated graduation date of May 2021. Focused on improving skills in programming, algorithm analysis, and data engineering. Previous military experience where I gained soft skills in teamwork, discipline, and adaptability.

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### Skills

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|-------------------------------|--------------------|---------------------------|
| • C++                         | • Git/GitHub       | • Java                    |
| • Object-Oriented Programming | • Microsoft Office | • Mac OS/Linux/Windows OS |
| • JavaScript                  | • Node.JS          | • HTML                    |
| • CSS                         | • MongoDB          | • MySQL                   |
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### Certifications

*Full Stack Web Development Certificate*

July 2018 - Oct 2018

The University of Texas at Austin

- Curriculum included: MERN Stack, Agile Methodology, API Integration, Responsive Web Design, Git/GitHub, Heroku, JavaScript, jQuery, Node.JS, React.JS, HTML, CSS, MongoDB, and MySQL
  - Completed several collaborative and independent projects which can be found here:  
<https://github.com/Melissajwomack>
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### Education

*Master of Science in Bioinformatics and Computational Biology*

Aug 2019 – Present

The University of Texas at Dallas, GPA – 3.73

*Bachelor of Science in Microbiology*

Aug 2015 - May of 2018

Texas State University, GPA - 3.76, magna cum laude

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### Relevant Coursework

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|---|---|
| • Algorithm Analysis and Data Structures  | • Computer Science                            |
| • Combinatorics and Graph Theory          | • Probability and Statistics for Data Science |
| • Advanced Calculus and Linear Algebra    | • Machine Learning – Spring 2021              |
| • Web Programming Languages – Spring 2021 | • Database Design – Spring 2021               |
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### Experience

*Microbiology Technician*

Feb 2019 - Aug 2019

Clinical Pathology Laboratories, Austin, TX

- Processed and handled over 200 clinical samples a day while adhering to safety protocols and ensuring quality control
- Performed enzyme-linked immunosorbent assays to test for human pathogens in clinical samples
- Assisted in the identification of clinically relevant organisms using a wide array of biochemical tests

*Veterinary Food Inspection Specialist*

April 2007 - Oct 2015

United States Army

- Collaborated in creating and implementing a database that kept track of 9.3 million dollars of inventory
- Supervised teams of up to 6 people
- Performed the inspection of food designed for human consumption and assisted veterinarians with animal medicine