

Aric Bitton

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Education

MS | EXPECTED NOV. 2021 | NEW MEXICO STATE UNIVERSITY – GPA 3.97

- Major: Chemical Engineering

Bs | MAY 2019 | NEW MEXICO STATE UNIVERSITY – GPA 3.62

- Major: Chemical Engineering
- Minors: Chemistry, Biomedical Engineering, Pre-Medical Studies

Work Experience

RESEARCH ASSISTANT | NOVEMBER 2018 – PRESENT

New Mexico State University

Supervisors: Dr. Jessica P. Houston – (575) 646-5563; Dr. Reza Foudazi

- Operate and assist others in using a spectral flow cytometer.
- Culture, prepare, and label human cancer cells in a biosafety level 2 lab.
- Assist in the creation of nano-emulsions to make polymer hydrogels.
- Assist in designing experiment involving alginate microcapsule synthesis and testing.

TECHNICAL INTERN | JUNE 2018 – AUGUST 2018

Sandia National Laboratories – International Biological & Chemical Threat Reduction

Supervisor: Dr. Peter Hotchkiss

- Chemical weapon decontamination and waste management research.
- Assist in developing chemical safety, security, and risk analysis trainings.

Presentations

Poster Presentation – Flow Cytometrists of Western States (Flow COWS) Conference 2020	February 2020
Poster Presentation – Conference on Lasers and Electro-Optics (CLEO) 2020	May 2020
Poster Presentation – CYTO Conference 2020	July 2020
Oral Presentation – CYTO Conference 2021	June 2021

Publications

Bitton, A., Sambrano, J., Valentino, S., Houston, J.P. “A Review of New High-Throughput Methods Designed for Fluorescence Lifetime Sensing from Cells and Tissues.” *Front Phys.* 2021 Apr; 9:648553.

<https://doi.org/10.3389/fphy.2021.648553>

Bitton, A., Zheng, Y., Houston, J.P., Houston, K.D. “Investigating Differences Between Tamoxifen Resistant and Sensitive Breast Cancer Cells with Flow Cytometry.” *Cytometry.* 2021 Jan; 99: 164-169.

<https://doi.org/10.1002/cyto.a.24306>

Honors

NMSU Crimson Scholar Graduate	May 2019
NMSU College of Engineering Dean’s Honors List	Spring 2018 – Spring 2019

Service

Member and V.P. of Omega Chi Epsilon Honor Society	Oct. 2017 – May 2019
Lead Missionary/Representative, The Church of Jesus Christ of Latter-Day Saints	Jun. 2013 – Jun. 2015
Eagle Scout in the Boy Scouts of America	Oct. 2012