amity Jackson

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# EDUCATION

## **Arizona State University,** Tempe, AZ 2014-2018

Bachelor of Science, Biochemistry; GPA 3.96

* + Dean’s List (3)
  + Summa Cum Laude Graduate

## **University of Delaware,** Newark, DE 2020-present

M.A., Bioorganic Chemistry; GPA 3.3

# PROFESSIONAL EXPERIENCE

**FMC Stine Newark, DE** 2021-present

**Analytical Lab Associate**

* Responsible for running abiotic investigative-fate assays that assess photolytic and hydrolytic degradation of target compounds
* Determining the volatility control of both Bixlozone and Clomazone within different encapsulation formulas via MS quantification
* Able to adjust quickly to demands of the work environment, participating in several plant penetration studies to assess foliar absorption of compounds such as Flutriafol

**Eurofins DiscoverX San Diego, CA** 2018-2019

**Scientist I**

* Responsible for running kinase inhibition assays, ensuring timely data analysis and turn-around-times for a fast-paced CRO organization
* Oversaw the stocking of biochemical reagents used in the lab, as well as compound shipment receiving
* Maintained customer profiles within reporting system to ensure up-to-date data profiling
* Underwent LEAN efficiency training to standardize and simplify common lab techniques and methods with the goal of increasing workplace productivity; primary responsibility was updating standard operating procedures

## **Magnetic Resonance Research Center,** ASU 2018

**Research Lab Aid**

* Collaborated with PI’s and graduate students on research projects regarding NMR studies of the tensile strength of black widow spider silks
* Assisted in day-to-day administrative tasks to ensure efficient and proper use of lab space; included managing instrument sign-ups and stocking of materials
* Gentle and ethical handling of black widow spiders was essential for sample extraction and maintenance of the health of the organisms

# LEADERSHIP EXPERIENCE

### Graduate Te**acher’s Assistant, Organic Chemistry** 2020- 2021

### University of Delaware

### Responsible for teaching introductory level organic chemistry content as well as laboratory practices via an e-learning interface due to the COVID-19 pandemic

### Curated weekly educational wrap-ups for students to encourage a collaborative learning environment and ensure student success in a high-paced, very dense comprehensive chemistry course

### Quick grading and management of course materials was essential in order to provide feedback for student assignments and complete expectations as a teaching assistant

### Te**acher’s Assistant, Chemistry for Engineers** 2017- 2018

### Arizona State University

### Held office hours to assist 100 students in understanding all relevant course content

### Oversaw two chemistry lab sessions a week; ensured all students were following property safety protocol and wearing proper PPE

### Responsible for grading and balancing the responsibilities that came along with managing almost 100 students in conjunction with being enrolled in school full-time and having a second part-time job

# COMMUNITY ENGAGEMENT

### **Brandywine Valley SPCA, Newark, DE 2022**

### Volunteer

# ADDITIONAL INFORMATION

Proficient in Microsoft Suite and conceptual organic synthesis; trained in SDS-PAGE, NMR/fluorescence/absorbance spectroscopy, qPCR, HPLC/UV/MS; familiar and eager to improve technique in gas chromatography and method development pipelines

Classes taken as a graduate student: Advanced Organic Chemistry with emphasis on classic and modern total syntheses, Chemical Biology, NMR Spectroscopy, Advanced Biochemistry

**REFERENCES**

Taylor Cram, 951-870-5059, San Diego, CA

Marlena Waugh, 410-818-7486, Baltimore, MD

Joe Klems, 302-319-0056, Newark, DE