

EDUCATION

Bachelors of Science in Biology, July 2023
The University of Texas at San Antonio

GPA: **3.63/4.0**

ACADEMIC AWARDS AND HONORS

2020, 2023 Honoree, **Dean's List**
2019, 2021, 2022 Member, **University Honor Roll**
2022, 2023 Recipient, **Folds of Honor Scholarship**

SUMMARY OF QUALIFICATIONS

- Experience in imaging as well as training and assisting users with the SEM, TEM, Confocal Laser Scanning Microscope, and preparing samples prior to imaging
 - Excellent hands-on experience with research within a lab environment such as organic chemistry, microbiology, molecular genetics, and independent study for the Medical Device Innovation Lab
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WORK HISTORY

- **Research Associate I**, Institute for Imaging and Analytical Technologies, Mississippi State University (October 2023-Current)
 - Provide biological expertise, training users on sample preparation and advanced research tools including confocal, SEM and TEM, assist in managing social media, primary POC for facilities inquiries
 - **Office Assistant**, Colorado School of Mines Alumni Office (August 2019-May 2020)
 - Complete inventory, **coordinate events**, answer phone with a smile, effectively use **microsoft office suites** for tasks
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RESEARCH EXPERIENCE

- **Medical Device Innovation Laboratory** (August 2022-July 2023)
 - Developing a novel biodegradable, 3D-printed, polymeric implant. The primary treatment goals for the platform are: drug administration via minimally invasive injectable techniques, provide molecule agnostic controlled release, and biodegrade once delivery is completed.
 - For more information: <https://mdi.lab.utsa.edu/personnel/paige-phillips/>
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PUBLICATIONS

1. Elbjorn, M.; Provencio, J.; **Phillips, P.**; Sainz, J.; Harrison, N.; Rocco, D.D.; Jaramillo, A.; Jain, P.; Lozano, A.; Hood, R.L. An Innovative Polymeric Platform for Controlled and Localized Drug Delivery. *Pharmaceutics* **2023**, *15*, 1795. <https://doi.org/10.3390/pharmaceutics15071795>
 2. **P. Phillips**, M. Elbjorn, J. Provencio, D. Di Rocco, R. L Hood, Characterization of a Polymeric Device for Localized Controlled Drug Delivery to Cervical Cancer, Presented at SB3C Conference, **Second place** in Student Paper Competition
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RELEVANT COURSEWORK

BIO 3713 and BIO 3722 Microbiology and Lab
CHE 2603 and CHE 3643 Organic Chemistry I and II
MAT 2214 Calculus III
PHY 1963 and PHY 1971 Physics II for Engineers and Lab

TECHNICAL SKILLS AND CERTIFICATIONS

- Hands on experience using Solid Works and **UV Spectrometer** in the MDI Laboratory and EDN 151
 - Proficient in using **Microsoft Excel** to analyze data from UV Spectrometer and various experiments
 - Experience coding in **Matlab** and R STA 1403 and CS 1173
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VOLUNTEER ACTIVITIES AND LEADERSHIP POSITIONS

- **Undergraduate Research Assistant, Undergraduate GSA Chair** University of Texas at San Antonio (August 2022-June 2023)
 - Moderate lab meetings, train undergraduate students, conduct and develop experiments, review and write papers for academic journals, and manage social events
- **Social Media Director and Volunteer** at Thrive Outreach, August 2021-March 2022
 - Helped organize community outreach and food donation events for unhoused persons
 - Increased awareness and engagement by organizing multiplatform social media campaigns