

Kayllie Alexa Lomeli
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EDUCATION

Texas A&M University, College Station, TX 2017 - 2021
Bachelor of Science in Biomedical Engineering

Academic Achievements & Honors

- Valley Alliance of Mentors for Opportunities & Scholarships (VAMOS) / Hispanic Scholarship Fund (HSF) Scholar
- Texas A&M University Century Scholar

South Texas College, McAllen, TX 2015 - 2017
Associate of Science in Engineering

EXPERIENCE

Clinical Research Study Coordinator November 2021 – Present
Doctors Hospital at Renaissance Health Institute for Research & Development, Edinburg, TX

- Coordinate and monitor complex studies in clinical settings, while serving as liaison between study sponsors and site personnel
- Organize patient data, attain patient consent while educating participants on study details, and ensure adequate care and treatment of patients

Information Technology Student Technician August 2018 - May 2021
Texas A&M College of Engineering Information Technology, College Station, TX

- Administered support for the College of Engineering students and staff, including technical troubleshooting (hardware/software installation, Microsoft Office, Python, MATLAB, imaging) and on-the-phone assistance
- Led a team of 4 and consulted with company associates to receive Voluntary Product Accessibility Templates to ensure 400 of Texas A&M's software programs were compliant with Section 508 of the U.S. Rehabilitation Act

Technical Engineering Assistant December 2020 - January 2021
Morales Engineering & Technical Services Inc., San Antonio, TX

- Developed electrical power panel schedules for a military building based off past schematics
- Created an Excel spreadsheet to facilitate circuit calculations

Undergraduate Research Assistant May 2019 - December 2019
Grunlan Research Group, College Station, TX

- Conducted and directed experiments on cross linked hydrogels to implement self-cleaning membranes for glucose biosensors
- Analyzed the mechanical properties of hydrogels collected from the DSC, Instron, and Plate Reader through Excel and GraphPad to develop protocols for future testing

SKILLS

Clinical Skills:

- Basic Life Support Certified
- CITI: COI, GCP, HSR, HIPS, RCR
- RAVE/mediData

Laboratory Skills:

- IATA Trained
- UV Curing / UV Plate
- Differential Scanning Calorimetry
- Centrifuge
- Instron
- Plate Reader

Computer Skills:

- Microsoft Office (Word, Excel, PowerPoint, Outlook, Teams)
- MATLAB
- GraphPad
- LabVIEW
- SolidWorks
- Hardware/Software Installation
- R
- Python
- Technical Troubleshooting