

Leah Kocian

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EDUCATION

Texas A&M University, College Station, TX (GPA: 3.30)

Bachelor of Science in Biological and Agricultural Engineering

Doctoral Student in Biological and Agricultural Engineering

Spring 2019

Fall 2019 – Spring 2025

WORK EXPERIENCE

Chegg Tutor

Texas A&M University

October 2018 – Present

- Tutor students across the world through the Chegg online service.
- Assist students over live video chat, instant messenger, or drawing software.
- Tutor students in algebra, geometry, pre-calculus, calculus, physics, chemistry, GRE exam criteria, and engineering.
- Create new and efficient ways to communicate with individuals of different backgrounds and cultures.

Environmental Engineer & Scientist Intern

Austin, TX

May 2019 – August 2019

- Conducted data analysis for bacteria found within the reaches and lakes in Austin, Texas.
- Created prediction model for the characterization of bacteria samples being taken in the future.
- Developed final report for the city of Austin to be used to present on the reallocation of resources.
- Designed presentation for the staff of watershed, showcasing my work over the summer.

Research Assistant

Texas A&M University

July 2017 – May 2019

- Worked in a BL-2 lab prepping a microbiology class for undergraduate and graduate students.
- Created media, streak samples, record data and analyze data using a variety of software.
- Prepared samples organize agendas and teach lab techniques and procedures.
- Trained undergraduate and graduate students on concepts on concepts, experimental procedures and proper lab techniques.

IT Help Desk Central

Texas A&M University

April 2017 - November 2017

- Assisted customers over the phone and in person with solving issues in a timely and efficient manner.
- Trained customers on how to manage and install programs and software on their devices.
- Collaborated with colleagues on how to improve the software systems used by Texas A&M University.
- Assisted customers with solving problems on Windows, Macintosh, and Linux operating systems.

River Pointe Church

Richmond, TX

June 2016 - August 2016

- Organized local volunteers into fields of service based on their strengths and interests.
- Collaborated with area organizations to assist the public during natural disasters.
- Created a registry of collaborating organizations to facilitate serving opportunities for the congregation.
- Advocated on behalf of local citizens to raise awareness of their needs and initiate projects to serve them.

Pecan Grove Plantation Country Club

Richmond, TX

August 2015 - January 2017

- Lead and organized staff for serving dinners to twenty or more people at a time.
- Resolved requests and complaints from clients under high levels of pressure in a timely and efficient manner.
- Catered special events, worked at the bar for high volume events of over 400 guests, and served tables simultaneously.
- Managed and monitored inventory of the alcohol and food merchandise provided at the establishment.

Briscoe Manor

Richmond, TX

August 2013 – June 2015

- Prepared wedding and catering events for groups of up to four hundred guests.
- Memorized and presented a new menu to the guests for every single event.
- Organized staff into respective areas to setup the kitchen and reception room.
- Bridged communication between the wedding planners and executive chef for events.

RESEARCH

FEMA Well Water Quality

Texas A&M University

September 2017 – May 2018

- Analyzed the water quality of wells in Texas that were impacted by Hurricane Harvey.

- Conducted three rounds of research on water samples to determine their coliform, turbidity and pH levels.
- Communicated results to well owners along with solutions to improve their well water quality.
- Created ways to communicate technical scientific terms to individuals who may not have been familiar with the terminology.

Post-Doctoral Research Assistant **Texas A&M University** **June 2017 – October 2018**

- Prepped media for water samples using the Kirby Bauer Method.
- Analyzed sample results utilizing ImageJ software.
- Gave a presentation of the research and results at the Texas Branch of American Society for Microbiology.

REU Water Quality Research Fellowship **Texas A&M University** **June 2017 - July 2017**

- Collaborated with other students to collect samples and data for on-site septic tanks.
- Assisted professors in testing samples in the lab that had been gathered at the various sites.

ACADEMICS

Study Abroad Participant **Guanajuato, Mexico** **May 2019**

- Practiced Spanish language skills while living with a host family.
- Visited and learned the General Motors manufacturing process.
- Analyzed the PLC controller and sterilization methods utilized in an avocado factory.

Senior Design Project **Cuenca, Ecuador** **January 2019**

- Redesigned a waste water treatment system for the Acchayacu, Ecuador.
- Visited the site to take measurements, checked the quality of the system in place, and ran lab results of the water samples.
- Presented a professional report of the project's status to a group of professors as well as a group of students in Cuenca.
- Explored the city of Cuenca to discover their culture and lifestyle.

Study Abroad Participant **Leuven, Belgium** **July 2018**

- Earned credit for principles of environmental hydrology and design of biological waste treatment systems.
- Visited a drinking water production center, water treatment plants, and sustainable waste management plants.
- Studied the preservation and reuse of water to benefit the local communities and agriculture.

Just4Water Member **Texas A&M University** **August 2015 – May 2019**

- Designed a well manual for the installation of wells in English as well as Spanish.
- Worked alongside team members to distribute tasks for a variety of events.

VOLUNTEER

Star of Hope **Houston, TX** **August 2015 - Present**

- Assisted with coordination of Christmas gift wrapping events by organizing volunteers into groups to best utilize their skills.
- Lead volunteers serving lunch and dinner at two Star of Hope locations.
- Assisted staff at the front desk, the children's department, and the kitchen area.

Big Event **College Station, TX** **August 2015 – May 2019**

- Worked alongside peers to improve the landscape around a home.
- Redirected a gutter in order to stop water from entering into a home.
- Constructed a walkway around a home by digging out a path and laying down stones.

CERTIFICATES, AWARDS, AND SKILLS

Blood borne Pathogen Training **Texas A&M University** **June 6, 2017**

- Attended training and completed certification to conduct research in BL-2 labs.

Alpha Epsilon Member **April 2017**

- Awarded through display of academic excellence and outstanding leadership within my major.

Software and Programming Languages

- Designed projects and analyzed data using Matlab, Python, Labview, ImageJ, R2WinBUGS, VBA, RStudio, ArcGIS, and SQL.

Awards

- \$5,000 scholarship to study abroad in Belgium awarded for work in my summer REU.
- Fully paid travel scholarship to study abroad in Mexico awarded for my efforts as a host to Mexico Exchange students.

Language

- English (native), Spanish (ILR Level 2 – Limited Working Proficiency)