

Alexandra (Ally) Bradley

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LABORATORY TECHNICIAN

Quality-focused technician with keen skills gained from hands on experience in a top research institute. Flexible skill set with experience in performing protocols at a high quality and with attention to detail. Certified for work in BioSafety Level 2 Lab.

RELEVANT SKILLS

RNA extraction and purification - DNA extraction and purification - Proteomic analysis - Quality Check via gel electrophoresis and imaging - Concentration check - Culturing of bacteria - Maintenance and care of live animals and plants - Use of autoclave - Microsoft Word/Excel

EDUCATION

University of Nebraska-Lincoln, Lincoln, NE

B.S. obtained May 2019.

Major: Microbiology, Minors: Biochemistry and Mathematics ~ GPA 3.55/4.00

Honors: College of Arts and Sciences Dean's List

RELEVANT PROFESSIONAL EXPERIENCE

- **Research Assistant for Plant Science Innovation at UNL, Lincoln, NE**
 - 40 hours/week (Summer '18 and '19) or 15-20 hours/week (August '18-May '19)
 - Laboratory technician for Dr. James Schnable and Dr. Brandi Sigmon
 - Routinely perform RNA and DNA extraction on maize roots
 - Streamlined protocols to perform extractions with maximum efficiency
 - Assistant in greenhouse maintenance and field work
 - Regular data entry and quality check
- **Laboratory Prep Teaching Assistant for Intro. Biology Class at UNL, Lincoln, NE**
 - 8-10 hours/week (January 2018-May 2019)
 - Maintain a variety of animals, plants, lab equipment in lab rooms
 - Culture bacteria in nutrient media
- **Research Assistant at University of Nebraska-Medical Center, Omaha, NE**
 - 40 hours/week (Summer 2015)
 - Paid stipend as part of Travis B. Lewis Scholarship Program
 - Laboratory technician in a professional lab with Dr. Pawel Ciborowski's team
 - Personal project investigated the effect of methamphetamine on the macrophage proteome
 - Performed regular proteomic analysis on human macrophage cells

VOLUNTEER

- Frequent Open Door Mission volunteer (Omaha, NE) (2016-present)

GOALS

- Pursuing experience as a Laboratory Technician
- Long-term aspirations of pursuing a PhD in Microbiology field