

MADISSEN ALLEN

LAB TECHNICIAN ASSISTANT

CONTACT

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- Fort Collins CO

SKILLS

- Laboratory
- Research (Analysis and Documentation)
- Interpersonal and Communication
- Problem Solving and Obtaining Solutions
- Attention to Detail
- Independent Learner
- Team Leader
- Microsoft Office (Excel, Word, etc.)

EDUCATION

Bachelor of Science in Biochemistry

Colorado State University

2019-2023

Fort Collins, CO

High School Diploma

Mountain Vista High School

2015-2019

Highlands Ranch, CO

VOLUNTEERING

Project C.U.R.E

- Organized and packaged medical supplies for shipping to third world countries

Feeding of the 5000

- Donated and packaged non-perishable foods to give to the homeless population of Denver

Volunteer projects with varsity high school and college tennis teams

- DRIVE for U, RamRide, Fall Cleanup

PROFILE

A productive, organized, and passionate research assistant with more than one year of experience, as well as four years of practical laboratory training and education. Graduated from Colorado State University in May 2023 with a Bachelor of Science in Biochemistry. Interested in pursuing a Masters of Science (M.S.).

RESEARCH EXPERIENCE

Undergraduate Research Assistant

09/2022- 10/2023

Dr. Marc Nishimura's Lab

- Actively studied plant-microbe interactions through multiple laboratory and research techniques
- Research techniques included: specimen aliquoting, PCR reactions, CTAB DNA extractions, running gel electrophoresis to analyze results, Yeast 2 Hybrid methods, and other research techniques
- Experienced aliquoting, storing, and organizing research biospecimens, such as yeast, *E. coli*, and other common biospecimens
- Trained in safety precautions in the lab, Personal Protective Equipment, laboratory safety practice, and in using equipment such as the fume hood
- Educated in using lab equipment such as spectrophotometers, electrophoresis units, tissue homogenizers, and other basic heavy duty lab equipment
- Created and authored a research based thesis for my bachelors degree titled The Dual Receptor System for Plant Pathogen Recognition in *Arabidopsis thaliana*
- Studied specific pathogens (HopBA1 from the bacteria *Pseudomonas syringae*) and the effect they have on Effector Triggered Immunity (ETI) branch of the plant immune system. Studied the proteins and genes found to be a part of ETI (specifically, RBA1, PBL Kinases, and Guard Proteins)
- Implimented the use of CRISPR Cas-9 techniques to make transformants of *Arabidopsis thaliana* that have a specific gene deleted

EMPLOYMENT EXPERIENCE

Server

Texas Roadhouse- Fort Collins

02/2022- Current

- Actively communicate with co-workers to keep an organized work place
- Greet tables with a smile and create a warm environment for guests
- Memorization of food and drinks
- Show enthusiasm and use customer service, as well as interpersonal skills, with guests and co-workers
- Use techniques to increase sales and profits for the company

Server

02/2017-01/2021

The Original Pancake House at Cherry Hills

- Actively communicated with co-workers to keep an organized work place
- Greeted tables with a smile and created a warm environment for guests
- Memorized food and drinks, as well as prepared food for guests
- Showed enthusiasm and used customer service, as well as interpersonal skills, with guests and co-workers
- Balanced plates and drinks using proper hygiene and health requirements
- Required to lift up to 50 pounds of food

Treasurer

08/2022-05/2023

Colorado State University (CSU) Club Tennis Team

- Oversaw the general financial management of the CSU club tennis team
- Ensured compliance of CSU Club Tennis Team's finances with university regulations