

Arianna Krzyzkowski

970-443-4809 | a.krzyzk@gmail.com

EDUCATION

University of Colorado Boulder

May 2022

- B.A. Molecular, Cellular, and Developmental Biology
- Minor, Philosophy
- 3.765 GPA

EXPERIENCE

Environmental Monitor Specialist, Tolmar, Ft Collins, CO

May 2022 - Current

- Perform Environmental Monitoring in general and aseptic manufacturing environments, including sampling of non-viable, viable air, personnel monitoring, settle plates and swabs.
- Perform WFI and PW sampling.
- Assist with setup of the EM laboratory and manage EM daily lab operations.
- Microbial enumeration of bulk and water samples.
- Incubate and enumerate organisms on cultured media.
- Provide EM data support including entry, review, and tracking of EM data.
- Assist with autoclaving supplies in the lab.

Cell Biology Laboratory, University of Colorado, Boulder, CO

January 2020 - May 2020

- Performed gene targeting PCR and gel imaging to analyze DNA identities.
- Maintained a detailed lab notebook, followed required processes, and communicated results to others.
- Utilized light microscopy for sample examination.
- Conducted research on potential gene targets in *Tetrahymena thermophila* related to the process of autophagy.
- Prepared video using Microsoft PowerPoint for the Spring 2020 CURE Symposium, which was canceled due to COVID.

Discovery-based Laboratory, University of Colorado, Boulder, CO

August 2018 - December 2018

- Conducted experiments to test for drug level concentrations.
- Conducted independent research of *Salix Alba* effects on *Salmonella* Typhi.
- Maintained a detailed lab notebook and followed required processes.
- Compiled results of the above using a combination of Microsoft Excel, Microsoft Word, and Microsoft PowerPoint, and presented these at the Fall 2018 CURE Symposium.

Lab Assistant (internship), Colorado State University, Fort Collins, CO

June 2016 - July 2016

- Prepared and ran samples through gel electrophoresis for further examination.
- Prepared supplies, reagents, and other materials for lab experiments.
- Transformed E. Coli with plasmid vector to multiply desired gene.
- Purified DNA from transformed E. Coli.

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LEADERSHIP

Senior Resident Advisor, University of Colorado, Boulder, CO

August 2020 - May 2021

- Guided other resident advisors of the hall.
- Organized the on-call schedule for the resident advisors.
- Overcame dynamic, sometimes crisis time-sensitive, challenges created by COVID.

Resident Advisor, University of Colorado, Boulder, CO

August 2019 - May 2020

- Maintained safety and cleanliness of the building.
- Complete rounds of all assigned buildings when on call.
- Run weekly events for residents of the building.
- Created community between the residents.

Fundraising Chair, Fort Collins Figure Skating Club Junior Board, Fort Collins, CO March 2016 - March 2018

- Reviewed and maintained budget.
- Started and maintained the annual Chipotle fundraising event, organizing the advertising and schedule.
- Planned club wide events to create a more inclusive and tighter knit figure skating community.

ACCOMPLISHMENTS

Figure skating

July 2004 - Present

- Six-time gold medalist.
- National Solo Ice Dance competitor.
- 2014 National Pewter Medalist of Intermediate Combined Dance.

2014 - 2019

Scholastic Achievements

- In Organic Chemistry class, used LC-MS - prepared samples, processed, and analyzed results.
- Researched, authored, and formatted two white-papers.
- Dean's List, Honors Clubs.
- Experiments using SDS-PAGE gels in various classes.

Bilingual

- French.

REFERENCES

- Nancy Stilson Herzog, Personal Trainer and Health and Wellness Coach at The Other Club
(970) 231-7201, fitnas@hotmail.com
- Ian McAdams
(303) 882-9414, ianmcadams@gmail.com
- Garrett Wilson, CASE at CU Boulder
(315) 200-2682