

Annette Lewis
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385-230-1446

EDUCATION

Bachelor of Science in Biology
Anticipated graduation December 2023
Utah Valley University, Orem, UT
Cumulative GPA: 3.86

Associate of Science in University Studies
May 2021
Utah Valley University, Orem, UT
Cumulative GPA: 3.94

HONORS AND AWARDS

UVU Outstanding Merit Scholarship
Associate of Science in University Studies | High Honors
Dean's List | 4 semesters

RELEVANT COURSEWORK

Data Analysis for Biologists
Cell Biology
Genetics
Molecular Biology

Biological Chemistry
Principles of Evolution
Chemistry
Organic Chemistry

Genetics
College Biology
Statistics

RESEARCH INTERESTS

Bioinformatics and
Computational biology
Biostatistics
Cancer biology

Gene therapy
Health informatics
Genomics and human genetics
Microbiome

Population health
Health promotion and disease
prevention
Infectious diseases

RESEARCH EXPERIENCE

Research Assistant, Genomics Summer Research for Minorities
University of Utah Health
Employment

June 2022–August 2022

- Conducted research in the Tristani-Firouzi cardiology lab on NFATC1 regulation of the expression of proteins relevant to atrial excitability using immunoblotting.
- Attended the National Human Genome Research Institute (NHGRI) 2023 conference.
- Presented research at the 2022 University of Utah Summer Symposium.
- Engaged with attendees and discussed findings during the poster presentation.

Research Assistant, NSF Utah Lake Project | Utah Valley University

May 2021–July 2021

Employment

- Conducted community-based research to inform policymakers in efforts to rejuvenate Utah Lake at the heart of the community.
- Worked with Dr. Steven H. Emerman to discover the springs' origin in Diamond Fork.
- Collaborated across natural science and humanities for impactful advocacy.
- Collected water samples from Diamond Fork Canyon and soil samples near Utah Lake.
- Coordinated processing of stable isotope samples with University of Utah lab personnel.

ABSTRACT

- Hacking, T., Lewis, A., Emerman, S., & Abbott, M. (2021). Hot springs in the watershed of Utah Lake, Central Utah: An essential component of a hydrologic model for Utah Lake. Geological Society of America Abstracts with Programs. <https://doi.org/10.1130/abs/2021am-368835>

CONFERENCE PRESENTATIONS

- 2023 National Human Genome Research Institute (NHGRI) 2023 conference. Poster Presentation in Salt Lake City, UT.
- 2021 Hispanic Association of Colleges and Universities' Emerging Leaders' Summit
- 2021 Hispanic Association of Colleges and Universities' Leaders in Residence Program

EXPERIENCE

Council Member, Global Student Leadership Council
Utah Valley University | Orem, UT

2021–2022

Volunteer

- Participated in Global Student Leadership Council (GSLC) meetings to promote sustainability goals across campus.
- Assisted in conferences and pre-conference events.
- Attended the 2022 United Nations Conference.

Events and Activities within the GSLC:

UVU Diplomatic Conference Setup

February 19, 2022

Ukrainian LGBTQ Activist Event

February 18, 2022

- Hosted and participated in an event featuring Ukrainian LGBTQ activists.
- Engaged in open discussions, even with translation, to overcome language barriers.
- Facilitated a discussion of the difficulties faced by LGBTQ individuals in Ukraine.
- Initiated discussions on LGBTQ inclusion, understanding their motivations.

Old New Year Celebration

January 14, 2021

- Assisted with decorating tables and setting up food at the Russian New Year event.
- Engaged with a new cultural experience, reflecting on the importance of global awareness.

Sign Language Day Event

September 23, 2021

- Helped with the initial setup and participated in the roundtable event.
- Gained insights into the significance of sign language and appreciated the diverse learning environment.

Student Mentor, Summer Bridge Program

July 2021– August 2021

Utah Valley University | Orem, UT

Employment

- Worked with faculty teaching the ENGR 1000 Summer Bridge class.
- Provided guidance and assistance to students enrolled in the class.
- Communicated with students to improve their performance.
- Collaborated with Summer Bridge mentors on how best to assist students.
- Facilitated and assisted with classroom ZOOM meetings and student redirection.

Office Aide, Utah County Academy of Sciences | Provo, UT

August 2019–March 2020

Volunteer

- Organized student files, streamlining counselor and administrator access.
- Answered phone calls on general UCAS information and transferred calls to counselors and administrators.
- Maintained student checkout logs.
- Provided first-aid supplies to students as needed.

- Worked in a team setting, managing and updating the school calendar.

Student Contest Organizer, Utah County Sustainability Coalition
Orem, UT

February 2020–April 2020

Volunteer

- Contributed to marketing strategy for the City of Orem's 4th Annual Earth Day Art Contest.
- Communicated with junior high and middle school art teachers.
- Promoted the Earth Day Art contest on social platforms.
- Recruited high school students as contest judges.
- Managed timelines, organized online meetings, and supervised judging.

ADDITIONAL TRAINING

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| • Aseptic Surgery CITI Program | 2022-2025 |
| • Biomedical Research Investigators & Personnel CITI Program | 2022-2025 |
| • AI in Bioinformatics Taipei Medical University FutureLearn | 2023 |
| • COVID-19: Insights for Higher Ed Leaders CITI Program | 2022 |
| • COVID-19: Back to Campus CITI Program | 2022 |
| • Mental Health for Higher Ed and Healthcare CITI Program | 2022 |
| • Participating in Vaccine Research CITI Program | 2022 |
| • Information About COVID-19 Vaccine CITI Program | 2022 |
| • HIPAA Privacy & Security Training U of U | 2022 |
| • SUsystem Overview of Cornerstone LMS For End U of U | 2022 |
| • Affiliate - Regulatory Modules U of U | 2022 |
| • General Financial Literacy Utah State Board of Education | 2020 |
| • Leadership Principles Career and Technical Education | 2019 |
| • Exploring Computer Science Career and Technical Education | 2019 |

ACADEMIC ORGANIZATIONS

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|---|------------------------|
| • Phi Theta Kappa Honor Society | November 2021--present |
| • The National Society of Collegiate Scholars | February 2020--present |
| • Member of the UVU Bioinformatics club | August 2023 |
| • Hispanic Association of Colleges and Universities' Leaders in Residence Program | 2021 |

LANGUAGES

- Spanish (Fluent)

REFERENCES

Natalia Torres, Ph.D.

Role:

Department:

University of Utah, Salt Lake

City

email:

Thomas J. Schmidt, Ph.D.

Professor

Division of Med. Sci. Harvard

University

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Olga Kopp, Ph.D.

Professor

Department of Biology

Utah Valley University

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