

OREM, UT
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MARISSA.OHRAN@GMAIL.COM

MARISSA OHRAN

SKILLS

- Bilingual:
 - English
 - Spanish
- Problem Solving
- Pipetting
- Microscopy
- DNA Extraction
- Introductory Phylogenetics
- Experienced in Microsoft Office, including Word, Excel, and PowerPoint
- Experienced with Google Drive, including Docs, Sheets, and Slides
- Following Instructions
- Patience
- Trained in coding processes including R for Statistics, Python, and Command Line Interface

EDUCATION

Utah Valley University, Orem, UT – *Bachelor of Science (In Progress)*

Projected MAY 2023

MAJOR: **BIOINFORMATICS**

MINOR: **BIOLOGY**

Relevant Courses:

- Heredity
- Prehistoric Life
- College Biology I & II
- Genetics
- Vertebrate Zoology
- Molecular Biology
- Principles of Chemistry I & II
- Microbiology
- General Ecology
- Cell Biology
- Molecular Evolution and Bioinformatics
- Principles of Evolution
- Mycology
- Fundamentals of Programming
- Data Analysis for Biologists
- Bioinformatics Data Skills
- Introduction to Bioinformatics
- Principles of Statistics

Currently Enrolled in:

- Genomics
- Bioinformatics Capstone
- Object Oriented Programming
- Global Social and Ethical Issues in Computing
- Database Fundamentals

Utah Valley University, Orem, UT – *Associate of Science*

APRIL 2015

MAJOR: **UNIVERSITY STUDIES**

Relevant Courses:

- General Biology
- Web Application Design
- Understanding Technology
- Introduction to Academic Writing
- Intermediate Writing Science and Technology

RESEARCH EXPERIENCE**“Assembly of highly heterochromatic cactophilic *Drosophila* genomes”**

Utah Valley University, Orem, UT

Supervising Mentor: Dr. Carl E. Hjelman

JUNE 2021 – PRESENT

- *Drosophila* genome assembly using Flye and Canu assembly programs
- BUSCO assessment of assemblies
- Comparison of statistics in R

“Potential relationship between sex chromosome size and lifespan”

Utah Valley University, Orem, UT

Supervising Mentor: Dr. Carl E. Hjelman

NOVEMBER 2021 – PRESENT

- Data mining for genome size data for several species
- Data mining for lifespan data for several species
- Performing comparative analyses in R

“Aquatic fungal population of Utah Lake”

Utah Valley University; Orem, UT

Supervising Mentor: Dr. Geoffrey Zahn

AUGUST 2021 – DECEMBER 2021

- Assisted with sample collection
- Assisted with extraction of DNA
- Assisted with pipetting in preparation for PCR

PRESENTATION EXPERIENCE

M. O. Ohran, Dr. Carl E. Hjelman. Assembly of highly heterochromatic cactophilic *Drosophila* genomes

Entomological Society of America 2022 Joint Annual Meeting; November 2022; Vancouver, BC, Canada

M. O. Ohran, Braydon West, PJ De La Vega, Rollo Simmons, Alyssa Tidwell, Dr. Geoffrey Zahn. Fishing for Fungi in Utah Lake

Utah Valley University Showcase; April 2022; Orem, UT

Utah Valley University Undergraduate Poster Session; Dec 2021;
Orem, UT

M. O. Ohran, Braydon West, PJ De La Vega, Rollo Simmons, Alyssa Tidwell, Dr. Geoffrey Zahn. Effects of Aquatic Fungi in Utah Lake

Utah Conference on Undergraduate Research (UCUR) 2022; Feb 2022;
St. George, UT

M. O. Ohran, Lacee Bowen, Reagan Dodge, Matthew Navratil, Riley Rowberry. Primate Tail Evolution

Utah Valley University Undergraduate Poster Session; Dec 2021;
Orem, UT

COMMUNITY OUTREACH

- March 2022 “SHEroes in STEM” Thanksgiving Point Event
- Feb 2022 Darwin Day, UVU Evolution & Bioinformatics Club

MEMBERSHIPS

- UVU Evolution & Bioinformatics Club
- Entomological Society of America
- Pacific Branch of ESA

AWARDS

- 2022 Entomological Society of America 2nd place undergraduate student competition poster

EMPLOYMENT

Evermore Park, Pleasant Grove, UT – *Animal Handler*

JUNE 2020 – PRESENT

Christa McAuliffe Space Center, Pleasant Grove, UT – *Supervisor*

NOVEMBER 2015 – PRESENT