

# Ethan Rosati

208-709-3418

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## Skills

- PCR trained and experience
- Can work well under timelines.
- Work with precision and accuracy
- Can work delicately.
- Good work ethic
- Proficient with computer programs (excel, word, etc.)
- Adept grant writer
- Adept in R data science (website link: <https://rosatiem98.github.io/>)

## Experience

August 2016-May 2017

### **Innovabio, Salt Lake Community College - Intern**

- I oversaw producing infective stocks of a biological virus along with another intern.
- I also oversaw testing stocks for how infective they were through titration.
- I did the dishes and other lab tasks like making large quantities of buffer solutions and other laboratory solutions.

March 2019-Present

### **Utah Valley University- Student Researcher**

- Write grants for materials and wages.
- Write protocols for lab procedures.
- Prepare presentation for dissemination of research.

- Prepare reagents.
- Conduct research on herbarium specimens through DNA extraction and PCR.
- Collection and analysis of sequence data.

## **Education**

- High School Diploma
- Studying Biotechnology at Utah Valley University
- Utah Valley University Associates degree in science

## **Awards and Funding (Total = \$23,332)**

- Silver Medal in Artel pipetting accuracy challenge with over 50 other laboratories.
- Received AP Scholar award
- Dean's List 2017
- \$4756 travel funding from UVU group SAC grant
- \$1998 materials funding from UVU SAC grant
- \$14578 from UVU group URSIG grant
- \$2000 funding from UVU URSCA grant

## **Poster Presentations:**

“Barcoding and Comparison of DNA Extractions of ITS Region Between Angiosperm and Gymnosperm Herbarium Specimens” Botany 2020

“Barcoding and Comparison of DNA Extractions of ITS Region Between Angiosperm and Gymnosperm Herbarium Specimens” UASAL Conference 2021

## **Senior Thesis:**

“Biofuel Materials and Methods: A Review of Nordic Microalgae and Genetic Processes Used in Production of Biological Fuel”

<https://cdm17182.contentdm.oclc.org/digital/collection/UVUTheses/id/769/rec/1>