

Zion Hubbard

www.linkedin.com/in/zion-hubbard | hubbard.zion04@gmail.com | (520) 649-9704

EDUCATION

Tempe, AZ - Bachelor
Arizona State University

- Grade: 3.72/4

Expected May 2027
Tempe, AZ

AFFILIATIONS

School of Life Sciences Undergraduate Research (SOLUR)
Arizona State University

January 2024 – Present

Western Alliance to Expand Student Opportunities (WAESO)
Arizona State University

January 2025 – Present

Longroad Energy

March 2025 – Present

EXPERIENCE

Student-Arizona State University
BIO 194 – Introductory course to research

August 2023 - December 2023
Tempe, AZ

- Conducted biostatistical biology experiments, including gel electrophoresis and gene analysis; documented biology laboratory procedures and improved student participation rates in research experiments.

Researcher

January 2024 - Present

Arizona State University – School of Life Sciences Undergraduate Research (SOLUR) Program **Tempe, AZ**

- Directing biostatistical research focusing on gene mutations within the LCT gene complex found on chromosome 2 leading to lactose intolerance phenotypes under Dr. Holechek

Learning Assistant

August 2024 - December 2024

Arizona State University – School of Life Sciences

Tempe, AZ

- Collaborate with instructor to co-teach three LIA 101 classes
- Communicate and guided over 50 students through the fundamentals of college

Researcher Mentor

January 2025 - Present

Arizona State University – School of Life Sciences Undergraduate Research (SOLUR) Program **Tempe, AZ**

- Collaboration with SOLUR/WAESO research project, providing guidance through biostatistical and physical laboratory methods and data analysis

BIO 194 ATA

January 2025 - Present

Arizona State University – School of Life Sciences Undergraduate Research (SOLUR) Program **Tempe, AZ**

- Help in class with the assigned group through a guided research project using the NIH's *All of US* database
- Help in the lab to set up laboratory experiments for DNA extraction using saliva-based samples, using PCR and gel electrophoresis to genotype individuals.

Researcher Intern

March 2025 - Present

Longroad Energy

Tempe, AZ

- Collaboration with the School of Life Sciences Undergraduate Research (SOLUR) Program and Longroad Energy focusing on stabilizing soil and preserving biocrust in areas where solar panels are implanted

PROJECTS

The Dairy Dilemma: How Genetics Determines Lactose Intolerance Variants in the World **January 2025 -Present**
SOLUR/WAESO – Genetic Analysis - Arizona State University **Tempe, AZ**

- Collect data using the NIH *All of Us* database for genetic analysis on the polymorphism of the LCT gene

The Role of MCM6 Gene Mutations On The Inheritance of LCT **August 2024 – December 2024**
SOLUR - Biostatistical Project - Arizona State University **Tempe, AZ**

- Collect data using the NIH All of Us database and exported over 7000 participants to be used for biostatistical analysis

LCT variations influence the development of SIBO **January 2024 - May 2024**
SOLUR - Biostatistical Project - Arizona State University **Tempe, AZ**

- Collect data using the NIH All of Us database and exported over 8000 participants to be measured for biostatistical analysis

LCT Variations and Crohn's Disease **October 2023 - October 2023**
SOLUR -Group Project - Arizona State University **Tempe, AZ**

- Collect data using the NIH All of Us database and exported over 13,000 participants to be used for biostatistical analysis

SKILLS

Laboratory: DNA Extraction

Program: Efficient in Microsoft Programs

Program: Brief Knowledge of Code Language R

Program: Efficient in Adobe Programs

Program: Efficient in Canvas Programs

Social: Public speaking

Social: Teaching

Social: Intercommunication