

# Zion Hubbard

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

## EDUCATION

### Tempe, AZ - Bachelor

Arizona State University

Expected May 2027

Tempe, AZ

- Grade: 3.72/4

## 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

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

January 2024 - Present

- 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

Arizona State University – School of Life Sciences

August 2024 - December 2024

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

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

January 2025 - Present

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

### BIO 194 ATA

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

January 2025 - Present

- 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

Longroad Energy

March 2025 - Present

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

---

<b>The Dairy Dilemma: How Genetics Determines Lactose Intolerance Variants in the World</b> SOLUR/WAESO – Genetic Analysis - Arizona State University	<b>January 2025 -Present</b> <b>Tempe, AZ</b>
<ul style="list-style-type: none"><li>• Collect data using the NIH <i>All of Us</i> database for genetic analysis on the polymorphism of the LCT gene</li></ul>	

<b>The Role of MCM6 Gene Mutations On The Inheritance of LCT</b> SOLUR - Biostatistical Project - Arizona State University	<b>August 2024 – December 2024</b> <b>Tempe, AZ</b>
<ul style="list-style-type: none"><li>• Collect data using the NIH All of Us database and exported over 7000 participants to be used for biostatistical analysis</li></ul>	

<b>LCT variations influence the development of SIBO</b> SOLUR - Biostatistical Project - Arizona State University	<b>January 2024 - May 2024</b> <b>Tempe, AZ</b>
<ul style="list-style-type: none"><li>• Collect data using the NIH All of Us database and exported over 8000 participants to be measured for biostatistical analysis</li></ul>	

<b>LCT Variations and Crohn's Disease</b> SOLUR -Group Project - Arizona State University	<b>October 2023 - October 2023</b> <b>Tempe, AZ</b>
<ul style="list-style-type: none"><li>• Collect data using the NIH All of Us database and exported over 13,000 participants to be used for biostatistical analysis</li></ul>	

## 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