Resume of

# Sam M Sorensen

## Contact Information

Sam M Sorensen
12366 W Nadine Way
Peoria AZ 85383
+1 (208) 716-8262
Ssoren10@asu.edu

---

## Education

Bachelor of Science in Biology (Emphasis: Bioinformatics)
Minors: Statistics, Data Science
Brigham Young University-Idaho, Rexburg, ID
January 2021 - April 2024
Relevant Coursework: Applied Linear Regression, Bioinformatics, Data Science Programming, Data Wrangling/Visualization, Intermediate Statistics

---

## Technical Skills

- **Programming Languages:**
  - **R:** Proficient in data manipulation, statistical analysis, and RNA-Seq analysis
  - **Python:** Basic proficiency with a focus on data science applications
- **Data Science & Statistical Analysis:**
  - Data cleaning, preprocessing, and statistical modeling in R
  - Hypothesis testing, differential gene expression analysis
- **RNA-Seq Analysis:** Differential expression, pathway enrichment, visualization
- **Data Visualization:** ggplot2 for creating impactful visualizations
- **Bioinformatics Tools:** Sequence alignment, genomic data analysis, database querying (NCBI)
- **Laboratory Techniques:**
  - PCR, DNA/RNA extraction, Gel Electrophoresis, DNA Cloning, Enzyme assays, Western blotting, microbial culturing
- **Collaboration & Communication:** Teamwork, scientific writing, presentations

---

## Research Experience

- **DNA Gel Electrophoresis Optimization:** Worked on improving electrophoresis methods in a collaborative setting
- **Insulin Production with Recombinant DNA:** Collaborated on producing insulin in bacteria
- **RNA-Seq Analysis:** Performed RNA-Seq using NCBI counts data
- **Statistical Analysis for Business:** Provided statistical insights for a small business (Yard Works)

---

## Professional Experience

**Teaching Assistant & Tutor – Biostatistics**
Brigham Young University-Idaho | Jan 2023 – Apr 2023

- Led review sessions, clarified statistical concepts, graded assignments

**Teaching Assistant & Tutor – Calculus I**
Brigham Young University-Idaho | Apr 2023 – Jul 2023

- Proctored quizzes, provided concept clarification, and graded coursework