

# CARLY ROSE



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## EDUCATION

### ARIZONA STATE UNIVERSITY

Master of Science – December 2020

**Major:** Biomedical Informatics

**GPA:** 3.89

### UNIVERSITY OF ARIZONA

Bachelor of Science – May 2018

**Major:** Applied Mathematics

**Minor:** Business Administration

**Minor:** Psychology

**GPA:** 3.27

## SKILLS

Experience in R, Python, and MATLAB

Analytical thinking and planning

Statistical Analysis

Accuracy and attention to details

Organization and prioritization

Problem solving

Proficient in PowerPoint, Excel, Word

## ACTIVITIES

### ADVISOR – FINANCE, COMMUNITY RELATIONS

Alpha Phi International Fraternity |

August 2019 – Present

## CERTIFICATES

### BIOMEDICAL IMAGING

The University of Queensland |

December 2019

### BIOLOGY OF CANCER

Johns Hopkins University | October

2020

## EXPERIENCE

### APPLIED PROJECT

Arizona State University | August 2020 – December 2020

- Working on an applied project as the final requirement for a Master's degree in Biomedical Informatics at Arizona State University.
- Using Natural Language Processing and Machine Learning techniques to extract posts from Internet-based community forums.
- Analyzing various questions and answers related to Opioid Use Disorder to determine if information presented on these forums are presenting accurate information.

### MAYO CLINIC RESEARCH

Phoenix Hospital | February 2019 – March 2020

- Selected to execute research in the Mathematical Neuro-Oncology Research Lab at the Mayo Clinic Hospital in Phoenix, Arizona.
- Participate in the ongoing research of sex differences across various imaging MRI modalities.
- Collaborate with peers on various bioinformatics problems, with a focus on imaging informatics.

### GRADUATE STUDENT ASSISTANT

Arizona State University | May 2019 – December 2020

- Lead operational tasks for two fully online, open-scale global math courses that teach over 100,000 students.
- Teaching assistant for BMI 201 (Introduction to Clinical Informatics), BMI 300 (Biostatistics), BMI 330 (Healthcare Ethics), and BMI 603 (Healthcare Informatics Database).

### BUSINESS OPERATIONS INTERN

HTG Molecular Diagnostics | June 2018 – August 2018

- Collaborated with the Marketing and Business Operations teams in tasks set in place to run a gene-mapping and sequencing company.
- Analyzed current trends and manipulated data into one condensed spreadsheet using Microsoft Excel.

### ANALYTICS DIRECTED RESEARCH

University of Arizona | August 2016 – May 2017

- Selected by the Mathematics department to be a research associate for the Men's Basketball Program at the University of Arizona.
- Built a statistical model using Excel and R that analyzes 10,000 potential recruits in order to predict their success at the college level.