

# Alicia Fels

Lake Ronkonkoma, NY  
(347) 610-5580, [aliciafels@outlook.com](mailto:aliciafels@outlook.com)  
[LinkedIn](#), [GitHub](#), [Portfolio](#)

---

## SUMMARY

I am Alicia Fels and I have 3 years of experience analyzing data for 3 different Psychology research labs in school. I specialize in R, SPSS, and SQL. Currently, I am seeking a position as a data analyst.

---

## SKILLS

- Microsoft Excel (VLOOKUP, Pivot Table, Conditional Formatting)
- R & RStudio (ggplot2, ggridges, dplyr, Hmisc, skimr, tidyr, tidyverse)
- Python (Pandas, Numpy, Seaborn)
- SQL, MySQL (JOIN, WHERE, GROUP BY, ORDER BY)
- BigQuery
- Tableau
- Microsoft PowerPoint (Presenting to non-technical audience)
- SPSS
- Data Collection, Analysis, & Visualization
- Frequentist & Bayesian Statistics
- Qualtrics
- A/B testing

---

## EXPERIENCE

### Research Assistant & Study Lead

Seton Hall University – Hunter & Lloyd Lab

Aug 2020 – May 2021

- Co-lead for Revelation Effect study
- Programed an experiment on Lab.js
- Uploaded experiment onto Open Lab for online data collection
- Trained undergraduate students in running an online experiment through Microsoft Teams
- Collected and analyzed online lab experiment

### Research Assistant

Seton Hall University – Lloyd Lab

Sep 2019 – May 2020

- Ran the lab's Blackboard page & scheduled lab meetings through Microsoft Teams
- Edited and ran an E-Prime study
- Created an abstract for our APA Convention presentation
- Analyzed data for lab experiment

### Graduate Assistant

Seton Hall University – College of Arts and Sciences Dean's Office

Aug 2019 – May 2021

- Interacted with students and faculty for the Assistant Dean
- Used Excel to enter prospective students' information into Slate
- Leading prospective graduate students on tours of the campus

### Cashier

Michaels

Nov 2018 - Current

- Communicate with co-workers and customers
- Provide customers assistance with their shopping experience
- Help train new employees on their duties and responsibilities

Research Assistant

St. Joseph's College – McGoey Lab

Apr 2018 – May 2019

- Entered & coded data from participants into SPSS
- Analyzed participant data collected in lab experiment and thesis
- Created a poster for the 2018 Undergraduate Symposium
- Created posters to present at the Eastern Psychological Association Conference and at the Association for Psychological Sciences Convention

Bookseller

Barnes & Noble College

Aug 2016 – Aug 2019

- Worked and communicated with college students and their families, and faculty
- Helped train new employees
- Helped co-workers and customers when they had a problem or question

---

## EDUCATION

Southern New Hampshire University

**MS in Data Analytics**

*Anticipated 2021 – 2023*

Seton Hall University

**MS in Experimental Psychology** - Concentration in Cognitive Neuroscience

2019 - 2021

Relevant Courses: Research Design & Analysis I (Chi-squares, t-tests, & ANOVAs using Jamovi), Research Design & Analysis II (Regressions & Correlations using R), Cognition for Visualization (Analyzing and visualizing large datasets, & creating client reports using R)

St. Joseph's College

**BA in Psychology**

2016 - 2019

Relevant Courses: Calculus I & II, Research Methods in Psychology, Statistics for Behavioral Sciences

---

## ACHIEVEMENTS & CERTIFICATIONS

**Google Data Analytics Specialization**

Aug 2021

- Foundations: Data, Data, Everywhere – [Jun 2021](#)
- Ask Questions to Make Data-Driven Decisions – [Jun 2021](#)
- Prepare Data for Exploration (Excel and SQL) – [Jun 2021](#)
- Process Data from Dirty to Clean (Excel and SQL) – [Jun 2021](#)
- Analyze Data to Answer Questions (Excel and SQL) – [Jul 2021](#)
- Share Data Through the Art of Visualization (Tableau) – [Aug 2021](#)
- Data Analysis with R Programming (R) – [Aug 2021](#)
- Google Data Analytics Capstone: Complete a Case Study – [Aug 2021](#)

---

## PROJECTS

Machine Learning Project

*DocBot:* [Chronic Kidney Disease Chat Bot](#)

Jun 2021

- Used Python and Jupyter Notebooks to create an AI chat bot to answer questions about chronic kidney disease
- Skills used/learned working on this project: Natural Language Processing, Machine Learning, and Parsing information from a webpage to help create the bots' responses

Hunter-Lloyd Lab Co-Lead

*Revelation Effect*

Aug 2020 – May 2021

- Coded the lab experiment in Lab.js and hosted it on Open Labs

- Helped collect data
- Teach undergraduates in the lab how to collect the data

#### Master's Thesis

##### *Memory for a Familiar and an Unfamiliar University Logos*

Jan 2020 – May 2021

- Coded my own experiment in Qualtrics
- Taught undergraduates in lab how to run the experiment and code the drawings
- Coded and cleaned the survey data
- Analyzed the dataset for significant Two-way and Three-way ANOVAs and Correlations using Jamovi and R
- Created visualizations for the data using Excel and R to present to non-technical audience at the 2021 Eastern Psychological Association conference

#### Undergraduate Thesis

##### *Relationship Between Mindfulness and Sleep Quality on College Students' Concentration on an Attention Task*

Aug 2018 – May 2019

- Created my own experiment using already established questionnaires and attention task
- Analyzed the dataset for significant correlation using SPSS
- Created visualizations for the data using SPSS to present at St. Joseph's College 2019 Undergraduate Research Symposium

---

## REFERENCES

Provided upon request