**Rachel Richardson**

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**Education\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**University of Michigan Ann Arbor, MI**

*Bachelor of Science in Information,* Data Analytics, April 2019

*College of Literature Science & The Arts*, Spanish Minor

*Residential College*, Immersive Spanish Program

* **Cumulative GPA:** 3.752 / 4.0
* **Awards & Scholarships:** University Honors for 4 semesters: Fall 2015 and Fall/Winter 2017, Winter 2018; Leona G. and Jessie W. Probst Dean's Merit Scholarship (2015-2016)
* **Course Highlights**
  + Introduction to Statistics and Data Analysis
  + Data-Oriented Programming
  + Data Exploration
  + Data Manipulation
  + Building Interactive Applications

**Skills\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **Computer Languages:** proficient in Python and Flask; knowledgeable of C++ and HTML/CSS
* **Computer Programs:** Jupyter Notebook, R, Visual Studio
* **Other:** SQLAlchemy, SQLite, MySQL, PostgreSQL, Hadoop (Pyspark)

**Projects\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Data-Oriented Programming Final Project (APIs and Data Visualizations)**

* Accessed Zomato and Google Web Services APIs to acquire information about restaurants in Chicago (analyzed ratings data, type of restaurant, reviews, and information about users who posted reviews).
* Generated SQLite database of aggregated data.
* Produced vibrant and meaningful data visualizations using Plotly.

**Employment\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Service Express Grand Rapids, MI**

*Business Intelligence Intern May 2018 – Aug. 2018*

* Created interactive network of company employees using R and VisNetwork (JSON package for R) to reveal patterns and connections in Gallup Strengths within and between departments and leaders.
* Developed a tool using JSON and SQL to analyze user-inputted text data describing a technical problem with computer hardware to predict parts required for the repair.
* Formulated neural network code to predict whether a salesperson will win or lose a deal, based on features such as total discount, total sale, and number of days to close the sale.

**Stephen M. Ross School of Business Ann Arbor, MI**

*Front Desk Associate Sep. 2016 - April 2017*

● Determined students' needs and best faculty member to assist them based on discussion with the student and provided contact information for the advisor to the student.

● Decreased advisors’ response time by establishing a preferred method of contact system. Advisors chose to be alerted via GChat, phone, or having the associate walk to his/her cubicle.

**Additional Experience\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The Michigan Daily Ann Arbor, MI**

*Film Critic Sep. 2015 - July 2016*

● Frequently surpassed required number of reviews per week (writing 2 articles instead of 1).

● Took initiative to enroll in introductory film classes to increase knowledge of film techniques.

● Collaborated extensively with 2 editors to finalize articles.

**Michigan Sabermetrics Ann Arbor, MI**

*Baseball Analyst/Editor Sep. 2018 - Present*

* Produce and edit pieces discussing baseball players’ performance based on sabermetrics, which are then featured on the club website.
* Discuss weekly baseball events and statistics during club meetings.