

# Reid Case

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## EDUCATION

**Master of Science in Computer Science**  
DePaul University

Expected: December 2020

**Bachelor of Science in Applied Computing, Systems & Technology**  
**Minor in Small Business Development**  
Tulane University

December 2010

## TECHNICAL SKILLS

**Technologies and Languages:** Python, R, SQL, Java, JavaScript, Scikit-Learn, Git, Docker, Seaborn, Keras, MongoDB, plot.ly, Node.js

**Skills:** Data wrangling, cleaning and preprocessing, feature engineering, visualization, hypothesis testing, regression analysis, clustering, classification, graph traversal, object oriented, distributed systems and multi-processing programming

## RELEVANT COURSEWORK

Programming Machine Learning Applications, Artificial Intelligence, Fundamentals of Data Science, Data Analysis and Regression

## DATA SCIENCE PROJECTS

### Analysis of Cycling Performance Data

June 2019

- Preprocessed data collected from a diverse personal network of cyclists.
- Imputed missing values, converted units of measure, and adjusted for outlier and anomaly samples using Python packages numpy, pandas, multiprocessing, and sci-kit learn.
- Developed multiprocessing genetic algorithm class to perform parameter optimization.

### Joke Text Recommender

June 2019

- Explored the performance results of joke text recommendations based on users' preferences.
- Employed Standard and SVD estimators combined with euclidean distance, cosine similarity, and Pearsons correlation coefficient as measures of similarity.

### Markov Chain Name Generator

April 2019

- Designed and coded Markov Chain tool for name generation using Python.
- Presented a video showcasing code functionality, development process, and code results.

### Flat Builder Program

June 2018

- Instructed colleague on Python programming concepts to provide knowledge for project.
- Developed code review and basic objected oriented architecture.

## SOFTWARE DEVELOPMENT PROJECTS

### Pebbledrop

March 2018

- Designed a prototype iOS social application for geocaching anonymously dropped "Pebble" image objects.
- Created an augmented reality space spanning Los Angeles, New York, Chicago, and New Orleans.
- Implemented CloudKit, ARKit, and other necessary geolocation and camera iOS packages to provide a mobile augmented reality experience.

## PROGRAMMING & TECHNOLOGY EXPERIENCE

- **Core systems Programmer Analyst**, SkyOne Federal Credit Union April 2018-Present
- **IT Support Programmer**, RiverLand Federal Credit Union March 2012-July 2017

## INVOLVEMENT & FREELANCE

- **D4G (Data for Good)** - Volunteer August 2019-Present
- **Buzzfeed, Inc** - Freelance Set Carpenter - Art Department August 2017-April 2018