

# David B. Josephs

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## WORK EXPERIENCE

### Horizon Therapeutics, Data Engineer - Chicago, IL

#### Contractor

August 2019 - Present

- Migrated cluster computing infrastructure to GCP
- Processed and Maintained over 2B rows of data
- Created cross database databases
- General analytics on datasources
- Built ETL pipelines utilizing Python and Pyspark
- Wrote auto scripts in Python using Selenium
- Continue to work on improving the Data Analytics Platform

### Software Developer and Data Engineer - Chicago, IL

#### Contractor

June 2018 - Present

- Created personalized a four page website for a small business
- Maintained multiple website servers programs and security
- Implemented special website features adhering to client specifications
- Developed data warehouses for several projects
- Designed and implemented web scraper in Python

### Clarkson University - Potsdam, NY

#### Statistics Teaching Assistant

Sep. 2017 - May 2018

- Explained technical statistical concepts to students in clear comprehensible terms
- Developed course curriculum

### Jack of Trade Apps - Potsdam, NY

#### Intern

May 2016 - Mar. 2017

- Constructed, deployed, and maintained five multiplatform mobile applications
- Developed audio streaming, interactive games, user interfaces, and databases
- Utilized version control with agile development
- Researched relevant graphics platforms and produced an application prototype using my recommendation, Babylon.js

## RESEARCH & SIGNIFICANT PROJECTS

### Physical Therapy Lab - Clarkson University

Nov. 2014 - Aug. 2018

- Completed Data entry, cleaning, analysis, and technical reports
- Ran statistical analysis to determine the effectiveness of newly designed natural caffeinated beverage
- Developed proprietary programs for the lab to use in their research

### Clarkson University Adirondack Semester - Saranac Lake, NY

Spring 2016

- Studied environmental and social sustainability
- Collaborated with municipalities and NGOs to develop a plan to revitalize Adirondack Town Centers

## ACHIEVEMENTS & ACTIVITIES

Hackathons, 2019 (HackerEarth)  
Best team poster, 2017 (BAC Manhattan College)  
Dean's list, 2014, 2015, and 2016 (Clarkson)

AIARE Avalanche 1 certification, 2018  
Interests include, martial arts, hiking, skiing

## EDUCATION

### Clarkson University - Potsdam, NY

MS, Data Analytics  
BS, Computer Science  
Minor, Mathematics  
Minor, Environmental Policy

## TECHNICAL SKILLS

### Data Management

Excel, Git, GCP (compute, storage, dataproc), APIs, Tableau, RESTful Interfaces, AWS (S3, EC2, Lambda), Hadoop, Docker, SPSS

### Computer Science

Python, Go, Pyspark, Spark, Django, MongoDB, C++, Matlab, SQL, noSQL, R, Linux (Arch and Ubuntu), HTML, CSS, Machine Learning