



# Rae Abunahla

"Looking for a new problem to solve." - Stream now, exclusively on Spotify.

## Skills

Python	R
SQL	Java
MATLAB	Apache Spark
C	Apache Hadoop
Tableau	

## ≡ Experience

09-2015 - 06-2019

**Computer Science (Specialized Honours BSc.)** - York University

- Graduated with a GPA of 3.53/4.00.
- Specialized with a specialty in Big Data & Algorithms.

09-2019 - Present

**Technology Analyst** - Accenture

## ► Projects

**Canada Innovation Hub - Junior Innovation Designer**  
03-2020 to present  
at Accenture

- Planned, facilitated and designed over 20 design thinking and strategic visioning workshops with 8 clients (spanning from products to public sector)
- Received "Distinctive Achievement" for performance, program delivery and relationship maintenance with the client
- Generated \$49 million in revenue over 25 wins as a result of COVID-19 response campaign to support struggling industry clients

**Public Sector Organization's Readiness for Digital**  
10-2019 to 02-2020  
at Accenture

- Used social listening design thinking methods to design a digital readiness survey, with discreet and free-form input, to assess this organization's readiness for a digital transformation
- Used Natural Language Processing tool kits to train and extract recurring themes from 3,000 free-form survey data points
- Presented supporting findings to the client's executive C-suite using Tableau. As a part of a broader team, Accenture won digital transformation work with client.

**Emotional Analysis Recommendation System (Capstone)**  
09-2018 to 05-2019  
at York University

- Designed a web-crawling algorithm to extract song Genius lyrics from 1.8 million user playlists from Last.FM via Python
- Trained an emotional analysis machine learning algorithm using a set of 100,000 keywords to appropriately label 800,000 songs
- Presented framework, findings and the case for song recommendations based on user mood to the faculty, receiving a grade of "A"

**Twitter Mental Health Big Data Project**  
09-2018 to 12-2018  
at York University

- Designed a live streaming system using Python, Apache Spark & SQL to ingest and clean over 2 million Tweets related to mental health keywords
- Created web-based interactive data visualizations to observe the size of the dataset, analytics on top commonly associated topics and variability in results based on geolocation.
- The intention of the project was to implement learnings from the Big Data course. A grade of "A" was received.

## ♡ Awards

Lassonde Undergraduate Research Award - Computer Vision (2018)

Lassonde Undergraduate Research Award - Algorithm Design (2017)

Chair's Honour Roll in Mathematics & Statistics



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