

I'm an aspiring entrepreneur looking to implement my skillsets and expand my horizons in the field of Machine & Deep learning.

## EDUCATION

2014 - 2017	B.A (Specialized Honors), Mathematical Physics & Economics - York University (Magna Cum Laude)
2017 - 2018	Graduate Certificate, Data Analytics, Big Data & Predictive Analysis – Ryerson University
2018 - 2019	Google Cloud Certified – Professional Data Engineer

## TECHNICAL SKILLS

N/A

- Experience with RDBM and NoSQL systems such as *SAS, MySQL, PostGresSQL & MongoDB*.
- Fluent in *R (R Studio)* using packages such as *caret, e1071, ggplot, rpart, class, stringR & party*.
- Fluent in *Python (ML/DA)* using packages such as *NumPy, Pandas, Scikit-Learn & Matplotlib*.
- Experience in Big Data tools such as *Redshift, Apache Hadoop, Apache Hive, Kafka, Pig & Spark*.
- Knowledge in *Dash, Node.JS, ReactJS, Git, HTML/CSS and Redis, flask and django*.

## WORK EXPERIENCE

02/2019 -  
PRESENT

### **Plotly Technologies (Montreal, QC)**

#### ● **Software Engineer (Web) (02/2019 – 08/2019)**

- Part of the core team that was behind building Dash for R; a web app framework by Plotly.
- Responsible for integration testing, implementing new features in DashR and building the first web applications under the DashR framework (can be viewed at <https://dash-gallery.plotly.host/Portal/>).
- Played a major role in creating user documentation for DashR users. (Can be viewed at <https://dashr.plot.ly/>).
- Daily usage of *github / Git* and experience with *algolia* & rest APIs (ie simple salesforce)

#### ● **Solutions Engineer (08/2019 – Present)**

- Lead of *Dash Live Weekly* and speaker at the *CSCDS Data Science Expo*.
- Created custom web apps for clients using *ReactJS, Dash, Flask, Node, Redis, Celery and Kafka*.
- Experience with integrating database & storage technologies in apps such as *PostGres, AWS S3 and SQLite*.
- Lead projects with cloud migration (AWS: S3) & custom app development with Bank of Canada and Eonix.
- Serve as a sales engineer on calls with fortune 500 companies.

07/2018 -  
02/2019

### **Data Scientist (Machine Learning) – Wavemaker (Toronto, ON)**

- Created (un)supervised & reinforcement Machine learning algorithms for predictive modelling, clustering analysis and classification learning techniques in *R and Python*. (*R Studio, Spyder & Jupyter*)
- Projects include regression modelling for Molson & Mitsubishi & Spectral Clustering for GroupV Media.
- Created automation scripts in *R* and *SQL (Sqldf in R)* for file extraction, csv data querying and BCRs.
- Created a full stack app using *node.js* for API calls and callbacks.
- Utilized *Tableau & Datorama* for KPI visuals & Dashboard reporting & also created custom UIs in *R shiny*.

06/2017 -  
07/2018

### **Data Scientist – Royal Bank of Canada (Toronto, ON)**

- Used *SQL* for DB querying of client sensitive strings such as client / GL numbers and transaction IDs.
- Participated in a Quality Control Project where I utilized *HiveQL, Spark & Pig* to perform Natural Language Processing for operator thread comments to ensure customer service standards are met.
- Utilized proprietary platforms for fraud investigations such as *Siebel, Iris* (image search engine), *OnDemand* and *PDA* in order to locate and source wire, www transfer and RFX Deposit account destinations.

## PROJECTS & VENTURES

12/2018 -  
PRESENT

### **Founder / CEO – Apoline Analytics (www.apolineanalytics.com)**

- Apoline Analytics is a data and technology startup that specializes in providing companies with machine/deep learning, Big Data Analytics & the adequate technical bandwidth to sustain operations.
- The startup has been self-funded thus far with client engagements with BOGO and Trainer+.