

# Zachary Barlow . Jarvis Consulting

My name is Zachary Barlow and I graduated from the University of Toronto Scarborough campus with a degree in Statistics, specializing in Machine learning and Data Science.

## Skills

**Proficient:** Java, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git, Python

**Competent:** JavaScript, React, Django, NumPy, Docker, Excel, HTML5/CSS, Jupyter Notebook, Maven

**Familiar:** Pandas, TensorFlow, Express.js, Node.js, Google Cloud Platform, R, Computer Networking

## Jarvis Projects

Project source code: [https://github.com/jarviscanada/jarvis\\_data\\_eng\\_ZacharyBarlow](https://github.com/jarviscanada/jarvis_data_eng_ZacharyBarlow)

**Cluster Monitor** [GitHub]: Developed a Linux clustering monitoring agent that can be used to manage and monitor nodes/server hardware specifications. Created a PostgreSQL instance from a docker container running a CentOS7 image and activated a crontab to run a bash script to collect the data every minute and insert into the database. As well as created a few sql queries that the manager can use to check host failures on specific machines.

**Core Java Apps** [GitHub]:

- **Twitter App:** Developed a command line interface to allow the user to create, read, and delete tweets using the Twitter API. Architected the application using the MVC design pattern and Java Spring framework. Tested the application using JUnit4 and Mockito to perform the unit and integration tests to ensure proper functionality and created a dockerfile to deploy an image to docker hub.
- **JDBC App:** Implemented a DAO in terms of a Customer and Orders and demonstrated how they are connected to DTOs and the abstraction layer. Using Maven, Java, Docker, and PostgreSQL for the RDBMS.
- **Grep App:** Implemented a copy cat Linux grep command in Java using two separate implementations and hosted it on Docker Hub. The two implementations are using strictly for loops and the other, updated for more performance was using Streams and Lambda functions.

**Springboot App** [GitHub]: Not Started

**Python Data Analytics** [GitHub]: Not Started

**Hadoop** [GitHub]: Not Started

**Spark** [GitHub]: Not Started

**Cloud/DevOps** [GitHub]: Not Started

## Highlighted Projects

**Web app for restaurant** [GitHub]: Suspendisse a tincidunt odio. Suspendisse posuere luctus aliquet. Quisque magna tellus, tempor vitae arcu sed, volutpat scelerisque lacus. Aliquam varius pulvinar dapibus. Ut a tincidunt sem. Aenean sollicitudin fringilla erat ut imperdiet. Phasellus fermentum, enim vitae laoreet elementum, eros nisl hendrerit lorem.

**Machine Learning:** Suspendisse a tincidunt odio. Suspendisse posuere luctus aliquet. Quisque magna tellus, tempor vitae arcu sed, volutpat scelerisque lacus. Aliquam varius pulvinar dapibus. Ut a tincidunt sem. Aenean sollicitudin fringilla erat ut imperdiet. Phasellus fermentum, enim vitae laoreet elementum, eros nisl hendrerit lorem.

## Professional Experiences

**Software Developer, Jarvis (2020-present):** Donec mattis sed justo et sagittis. Vestibulum lacinia nulla ipsum. Curabitur imperdiet nibh vitae leo lacinia laoreet. Nullam accumsan, lectus ut maximus ultricies, augue justo egestas mi, vel bibendum felis.

**Tutor, XYZ Company (2019):** Donec mattis sed justo et sagittis. Vestibulum lacinia nulla ipsum. Curabitur imperdiet nibh vitae leo lacinia laoreet. Nullam accumsan, lectus ut maximus ultricies, augue justo egestas mi, vel bibendum felis.

## Education

**XYZ university (2012-2016)**, Bachelor of Applied Sciences, Electrical and Computer Engineering - Scholarship - Dean's List (2015, 2016): Ut enim ad minim veniam - GPA: 3.8/4.0

**XYZ university (2016-2018)**, Master of Engineering, Electrical and Computer Engineering

## Miscellaneous

- Udacity Machine Learning (2019)
- Winner
- Basketball player
- Competitive gaming
- Volunteer, ABC Food bank: Ut enim ad minim veniam