

# Kangdi Shi . Jarvis Consulting

I received my Ph.D. degree in Electrical and Computer Engineering from McMaster University in December 2022. As an ML researcher, I am proficient in statistical analysis, quantitative analytics, forecasting/predictive analytics, multivariate testing, and optimization algorithms. I am also advanced in machine learning-based computer vision, especially in data restoration, classification, and recognition. I am always passionate and self-motivated to explore cutting-edge AI techniques and have already published several papers in the top journal (e.g., TIP and TMM).

## Skills

**Proficient:** Python, Java, MATLAB, PyTorch, Tensorflow, Linux/Bash, RDBMS/SQL, Anaconda, Pycharm, Agile/Scrum, Git

**Competent:** Java, C, SSH, Tableau, IntelliJ

**Familiar:** Microsoft Excel, Microsoft Words, Microsoft Powerpoint, fermentum, fermentum

## Jarvis Projects

Project source code: [https://github.com/Jarvis-Consulting-Group/jarvis\\_data\\_eng-Derek430](https://github.com/Jarvis-Consulting-Group/jarvis_data_eng-Derek430)

**Linux Cluster Monitoring Agent** [GitHub]: The aim of this project is to offer a streamlined and user-friendly solution to monitor server hardware and usage info from the server users' viewpoint. Most of the application is built using bash scripts, enabling simple execution and integration with existing server management workflows. For storing the gathered hardware and usage data, a Relational Database Management System is utilized, with PostgreSQL (psql) as the selected database technology. To simplify deployment and isolation, the project is implemented within a Docker container. The development progress is tracked using Git version control.

**Core Java Apps** [GitHub]:

- Twitter App: Curabitur laoreet tristique leo, eget suscipit nisi. Sed in sodales ex. Maecenas vitae tincidunt dui, et eleifend quam.
- JDBC App: Curabitur laoreet tristique leo, eget suscipit nisi. Sed in sodales ex. Maecenas vitae tincidunt dui, et eleifend quam.
- Grep App: Curabitur laoreet tristique leo, eget suscipit nisi. Sed in sodales ex. Maecenas vitae tincidunt dui, et eleifend quam.

**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

**Data Engineer, Jarvis (2023 - 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.

**Machine Learning Engineer Intern, Crater (2019.08 - 2019.11):** 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

**McMaster University (2017 - 2022),** Doctor of Philosophy, Electrical and Computer Engineering - McMaster Graduate Scholarship

**University of Manitoba (2012 - 2017),** Bachelor of Applied Science, Electrical and Computer Engineering - MTS Mobility Scholarship Eng - International Undergraduate Student Scholarship - UMSU Scholarship - INTER ENT SCHOLARSHIP 90

## Miscellaneous

- SQL - MySQL for Data Analytics and Business Intelligence (2023)
- Winner
- Basketball player
- Competitive gaming
- Volunteer, ABC Food bank: Ut enim ad minim veniam