Bright Wang
brightwangca@gmail.com

Highlight:

- Physics and Mathematics graduate, Oracle Certified Java Programmer and working experience with Data. Excellent knowledge in Big Data Analysis and in Development
- Analytics: R, Hadoop Ecosystem (Hive, Pig, HDFS), Spark (PySpark), IBM Watson, WEKA
- Database Systems: SQL (MySQL, SQLite) and NoSQL (MongoDB, Hive, Pig)
- Programming Languages and Skills: R, SQL, Python, Java, Matlab, HTML5, CSS3(Sass, Foundation 5, Bootstrap), Javascript (D3.js, jQuery), XML
- Oracle Certified Associate, Java SE 8 Programmer (1Z0-808). Excellent knowledge in Java EE. (Servlet, JSF, JMS, etc.)
- O/S or Platform: Windows, UNIX, Linux Ubuntu, Hadoop and Spark on Hortonworks Sandbox, Microsoft Azure, Microsoft Excel, WordPress, Jekyll, Version Control (GitHub)

Professional Experience:

Course Staff   Oct. 2016 - Present
Big Data University - IBM

- Neural Networks course development
- Develop Neural Network code and examples for analyzing data models
- Create outline for mathematics algorithm of Neural Networks
- Create course content including tests and mini-projects

Finishing Certification   May 2016-Dec. 2016
Ryerson University

- Constructed queries of moderate to high complexity using Pig, Hive and PySpark, analyzed Twitter dataset combined with geo-location dataset to develop trends within Hortonworks Sandbox and Azure
- Experienced with large data set analysis using Hadoop and Spark
- Data wrangling, visualization, EDA, statistical tests, model building and evaluations using R scripts. Analyzed Manhattan housing prices and created predictive models
- Machine Learning algorithms including Decision Tree, KNN, clustering using WEKA
- IBM Watson Team Project to create APP for Crisis Management, responsible for setting up Watson and training Watson using Agile methodology. Effectively coordinate between project team members
- Skilled in writing complex SQL queries, creating Tables, Views, Indexes, complex Triggers and effective Stored Procedures and Functions

Manager   Dec. 2014-Jan. 2016
Bright Learning

- Designed specific business strategies and solutions to meet business needs, in keeping with overall business strategies, quality of deliverables, budget and schedules
- Devised and applied marketing plan for both offline and online. Created flyers, newspaper advertising and posters for offline advertising. Created website, Google Ad words and search engine optimization for online advertising with Google Analytics
- Analyze web analytics, costs, benefits, risks that should be considered in relation to a business situations
- Made sales and created relationships with customers, recruited and supervised tutors

Research Assistant - Amorphous Metal Group   May 2012-May 2013
Institute of Metal Research, Chinese Academy of Science

- Work with peers to gather, analyze and developed insights. Analysis of data and data visualization using Origin
- Provided support for analyzing raw data, cleaning data, models and documents. Assist in preparation of reporting, highlighting key trends and variances
- Worked with databases and ISO to store and retrieve experimental data
- Edited PhD publications for research group, two rejected papers was published after edit. Prepared pure substances for experiment sample creation
- Created experiment samples using 80kV electron beam arc melter and molds
- Inspected samples using equipments including laser scanning confocal microscope, Quanta 600 SEM, Young's modulus measurement equipment and other related lab equipments

Education:

Certificate in Data Analytics, Big Data, and Predictive Analytics   May 2016-Dec. 2016
Ryerson University, current GPA: 4.33/4.33 (1 part-time capstone course left)

Honours Bachelor of Science, Physics Specialist and Mathematics Major   2009-2014
University of Toronto, St. George Campus

Certifications:

Oracle Certified Associate, Java SE 8 Programmer I (1Z0-808)   2016