

Summary

Strategic and critical thinking, with a can-do attitude and fast learning ability, who has proven competencies in the following areas:

- Dynamic professional engineer skilled in **Python, SQL** and **R** with strong concept in statistical learning theory.
- Experienced with large data sets (million objects) using **Hadoop, TensorFlow** for data mining and data visualization.
- Comprehensive knowledge in **Linux Command Line** Shell and network protocols.
- Hands-on experience in **JavaScript, HTML, CSS, JDBC, JQuery** and **Bootstrap**.

Education

UC Berkeley

Data-Driven Marketing & Business Administration

Sep. 2017 - Aug. 2018 | California, U.S.

Communication University of China

Electrical Engineering & Computer Science

Sep. 2012 - May. 2016 | Beijing, China

Columbia University

Digital Media and Communication, Multimedia

August 2014 | New York, U.S.

Skills

Programming Languages

Python, R, SQL, JAVA, C, C++, PHP, MATLAB, HTML, JavaScript

Technologies & Tools

Apache Spark | Seaborn | Pandas | TensorFlow | Numpy | OpenCV |

Scikit-Learn | Matplotlib | AWS | GCP | Tableau

Django | Jupyter Notebook | AutoCAD | Xcode | Eclipse | PostgreSQL | MySQL | PyMogong | MongoDB

Working Experience

Nielsen (NYSE:NLSE)

Data Engineer 04/2018 – 08/2019 | San Francisco, CA

- Prototyped and developed database-to-web application using Django framework building project directory.
- Integrated Nielsen marketing cloud with Automatic Content Recognition (ACR) SDK for video fingerprint generation.
- Data calibration: assign weight to devices to calibrate for geographic and viewing outlier of Smart TV viewership data.

Sunlands Online Education Group (NYSE:STG)

Business Intelligence Engineer 07/2016 – 05/2017 | Beijing, China

- Optimized the performance of business-critical queries and dealt with ETL related issues.
- Implemented automating report generation framework and tool for Learning Management System.
- Analyzed customers behavior data and implemented visualization dashboard for 5 regions (Beijing, Wuhan, Shenzhen, Shanghai, Guangdong) internal revenue model.
- Explored millions database records to discover highest refund rate city and hidden pattern to reduce financial loss.

Tencent (NYSE:TCEHY)

Software Engineer 03/2015 – 08/2015 | Beijing, China

- Developed data feeds for tune in & tune out calculation, using grids and object-oriented database for online streaming games.
- Refactored code of Tencent Video customer information module.
- Integrated Tencent Video SDK with Tencent Social Ads (TSA) platform based on feedback.
- Participated in designing the channel recommendation algorithm.

Projects

Image Recognition Project 02/2019 - 03/2019

- Create a Convolutional Neural Network that is able to detect various objects in images.
- Implement this Deep Learning model to recognize particular objects in a set of pictures.

RMS Titanic Data Analysis 01/2019 - 02/2019

- Cleaned up the data to build a survivor prediction model.
- Audited data validation
- Crosschecked missing data with other data

Implemented simple version search engine mimic Google Page Rank algorithm 11/2018 - 01/2019

- Optimized the web crawler data structure to improve searching result
- Implemented page ranking formula with different factors