

CONGYANG (ALEX) WANG

cwang8@wpi.edu

774-479-2865

www.linkedin.com/in/wangcongyang

Worcester, MA 01609

EXPERIENCED DATA SCIENTIST

Passionate, creative, problem-solving and business-savvy **data & business professional** with 5 years of progressive experience in business analysis, data visualization and project management. Proven ability to combine technology and business with well-developed communication and leadership qualities to support internal & external customers.

SKILLS

- **Python** (Pandas, Sklearn, Numpy, Matplotlib, etc.), **SQL**, **R**
 - **Spark**, **Hadoop** (MapReduce, HDFS, Hive), **NoSQL** (MongoDB)
 - **JavaScript** (D3), **Tableau**, **MS Visio**, **MS Excel**
 - **AWS Products**, **Machine Learning**, **Statistical Modeling**, **Big Data Management**
-

EDUCATION

Worcester Polytechnic Institute , Worcester, MA	GPA 3.5	May 2018
Master of Science in Data Science		
Hunan University , China	GPA 3.5	May 2011
Bachelor of Science in Statistics		
Activities: Organizer of TEDx-HNU, Co-Founder of AIESEC-HNU, Member of ASA(American Statistical Association)		

RELEVANT DATA WORK EXPERIENCE

PITNEY BOWES INC , Danbury, CT	Jun 2017 - Aug 2017
Data Scientist Intern - Big Data Team	
Working with developers, architects, business analysts, UX team, using best-in-class tools to develop and maintain the data lake, deliver value to teams across the company.	
<ul style="list-style-type: none">• Delivered a new product from scratch making use of data from data warehouse and external source, included five important modules and customer health score, churn prediction which are used machine learning models.• Built three complex dashboards with Tableau from MySQL database, support different teams with different purposes.• Maintained the data lake with created several data pipelines through AWS products, like S3, EMR, Data Pipeline, etc.	
CARGILL (CHINA) LTD. , CHINA	Jul 2011 - Jul 2016
Business Analyst Supervisor	
Led a team with 3 analysts to collect supply chain data from Operation and Sales department, made the dashboard with operation data for the Supply Chain team, made the week/month/year business analysis reports for the business unit.	
<ul style="list-style-type: none">• Built a supply chain cost forecast model leveraging sales for product revenue to save about 30% of supply chain cost.• Summarized and presented my findings and recommendations to the product, marketing, and sales managers.• Supported operations to improve the work process with process optimization and led conversions landing.• Analyzed sales support patterns like distribution, transportation for retargeting and better conversions to local market.	

ADDITIONAL EXPERIENCE

KDD CUP Prediction Competition - Tollgate Volume Prediction, WPI	Mar - May 2017
Used Python do the full data mining process flow.	
<ul style="list-style-type: none">• Used pandas and matplotlib do the data processing and feature engineering process.• Build machine learning predict model and get the top 20% ranking in the competition	
RDBMS & Machine Learning Project - Backbone Talent Management Platform, WPI	Aug - Dec 2016
Used SQL , Python , JavaScript to build a novel database system involved the gamification idea and an algorithm can evaluate satisfaction.	
<ul style="list-style-type: none">• Trained the Regression Algorithm to detect the potential leaving employee achieved 98% accuracy.• Built the web-based dashboard for administrator and employee, received the highest grade out of 10 teams.	
