

Mingjun (Barry) Wang

barrywang0329@gmail.com

210 S Des Plaines St, Chicago, IL 60661

(434)326-8860

EDUCATION

University of Virginia

Aug. 2015

- Master of Science in Systems Engineering, GPA: 3.9; Research Interests: Predictive Model, Text Mining
- Thesis: Using Twitter for Next-Place Prediction to Improve Crime Predicting (Accepted by 2015 IEEE SSCI)

Shanghai Jiao Tong University (SJTU)

Jun. 2013

- Bachelor of Engineering in Automation, GPA: 84/100 (top 20%), Academic Excellence Scholarship of SJTU 2013
- Thesis: Structural Controllability of Complex Networked Systems

Georgia Institute of Technology (Part-time)

Sep. 2017 - Now

- Online Master of Science in Computer Science, Specialization in Machine Learning

Smartly - Business Degree Programs, MBA (Part-time)

Nov. 2017 – Sep. 2018

WORK EXPERIENCE

Expedia

Jan. 2019 – Now

Manager in Product Optimization and Web Analytics

Chicago, Illinois

Senior Business Analyst, Predictive Analytics in Product Analytics Team

Chicago, Illinois

Award: My Hero in BEXG analytics (Aug 2019); Employee of the Month in BEX Product Analytics team (May 2019)

- Built the team operating process for the analytics team from prioritization intake to analysis project development
- Led the A/B testing guideline and product development feature prioritization during COVID19 period
- Designed and evaluated product features in lodging shopping path with A/B testing and pre/post analysis
- Developed vacation rental customer intent signal for new features and future work on core OTA across brands
- Investigated and monitored business performance for Lodging, 3rd Party Inventory and Vacation Rental production
- Extracted customer insights and presented with leadership team for strategy and product roadmap
- Create onboarding materials for Lodging Product Analytics team and analytics training session for engineers
- Built ETL pipeline with Hive and PySpark with some automation through python for readouts and reporting

comScore, Inc.

Sep. 2015 – Jan. 2019

Senior Data Analyst in Custom Analytic Solutions

Chicago, Illinois

Senior Data Analyst in Cross Functional Team

Reston, Virginia

Associate Data Analyst in Custom Solution Implementation Team – Reporting and Analytics

Reston, Virginia

- Led Custom Analytics Solutions for small and medium sized business with feasibility requests and research
- Built scalable analytics and reporting solutions with new data sources including video and social media newsfeed
- Created client facing dashboards with BI tools (Tableau, Qlik Sense) and visualized key business insights for clients
- Applied machine learning and time series analysis with anomaly detection to improve recurrence data production
- Built taggings for click and impression for reports of online behavior using DAX (Acquired by Adobe Analytics)

Accenture (China) CO., LTD.

Jul. 2011 – Aug. 2011

Summer Intern at Sales Group Transformation Planning

Beijing, China

- Analyzed management process and updated more than 50 flowcharts to structure and optimize the decision process
- Compiled regulations in 6 branches of the company and management operational process of sales group

PUBLICATION

- Wang, Mingjun, and Matthew S. Gerber. "Using Twitter for Next-Place Prediction, with an Application to Crime Prediction." Computational Intelligence, 2015 IEEE Symposium Series on. IEEE, 2015.

RESEARCH EXPERIENCE

Predictive Technology laboratory at Department of Systems and Information Engineering

Oct. 2014 – Aug. 2015

Using Twitter for Next-Place Prediction to Improve Crime Predicting

Charlottesville, Virginia

- Incorporated textual contents and experimented different methods for extracting features for Next Place Prediction
- Analyzed the social relation from mentions and replies with '@' symbols connect to individual's movement pattern
- Built models and predicted the relation between people's movement pattern with certain criminal activities

ADDITIONAL INFORMATION

Technical Skills (ranked by proficiency): SQL (Presto, Hive, PostgreSQL, MySQL), Adobe Analytics (Omniure), Python, R, Qlik Sense, Tableau, Power BI, UNIX Shell Script, Hadoop, Java, VBA with Macro in Excel, C/C++

Statistical Analysis and Modeling: Linear Regression, Lasso Regression, Logistic Regression, Random Forest, PCA, A/B testing, Text Mining, Feature Engineering

Volunteer translators in Coursera: Healthcare Marketplace, Algorithms 1