

Jerry Liu

Data/Business Analyst at eBay Inc.

jerrylxx@foxmail.com

Summary

- Five-year experience as data analytic and statistical modeling; built linear regression, decision tree models in real projects;
- Hands-on experience with big eCommerce data, using SQL, SAS, R;
- Well versed with Linear algebra, probability and statistics theory; able to read English technical papers;
- Familiar with SQL, SAS, R, JSL

Working in data analytics field, e.g. business analyst, business intelligence, statistical discovery, data mining

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Experience

Senior Business Analyst at eBay Inc

October 2014 - Present (1 year 9 months)

- † Lead a 3 member CRM Seller Analyst team in China, completing regular analytic projects accurately and timely; worked with overseas to deliver insights to business partners to guide future CRM campaigns;
- † Set up and improve measurement framework for Internet Marketing and CRM Seller campaign A/B tests; automated data processing and visualization, using Teradata SQL, R, SAS, Linux Shell and Tableau; Built alert report to monitor business matrix movement;
- † Built dashboard with SQL and Tableau for a UGC product by closely working with overseas product team and successfully turning the large volume e-Commerce traffic, transaction, user behavior, demographic, segmentation data from Data Warehouse into useful insight to guide business decisions;
- † Keep the team motivated by encouraging them to set up their personal development goals and aligning it with corporate strategies; encourage team to keep on track of their development plans;

Statistician/Data Analyst/Business Analyst/Yield Engineer/Device Engineer at Intel Corporation

April 2010 - October 2014 (4 years 7 months)

- † Statistics/Data Analysis/Data Mining: well versed with statistical methodology, e.g. statistical inference, Design of Experiments (DOE), Linear/non-linear/Ridge/Lasso Regression, Multivariate Regression, Logistic Regression, KNN Classification, Dimension Reduction (Principal Component, Partial Least Square), Decision Tree, Clustering;
- † Proficient with JMP, JSL and SAS; working knowledge of R; identify the key modulators in thousands of variables and gave actionable recommendations based on analysis; built statistical models for predicting the key device parameters trend; set up monitoring report for ~180 parameters with SAS;

- † Coached 50-100 process improvement DOEs every year and ensured experiments can address concerns in an efficient and effective way; recommended different DOE plans based on risks and boundary conditions;
- † PCS/SPC/Lean Six Sigma Green Belt: built statistical metrics for factory PCS weekly review; drove factory PCS health to Best In Class level and contributed to overall quality improvement; lead efforts in identifying PCS issues and directed correction or improvement actions with Lean Six Sigma methodology; in 2014, ~900 products are saved using LSS;
- † Semiconductor Process/Device problem solver: lead cross functional teams for various device/process issue task forces to detect the issues, contain the issues and find solution; familiar with Intel's Model Based Problem Solving method;
- † Project Management: project leader to transfer quality Process Control System (PCS) for Intel's technology transfer from Ireland in 2012; aligned with stakeholder on the project goal, tracked the gap closure of 20+ module teams timely and ensured successful PCS setup for the new process;
- † Communication/Coaching: strengthen new employees' data driven mindset and Process Control System methodology by delivering Statistics/Data Analysis/PCS methodology training; present to factory management weekly about the PCS status and provide improvement suggestions.

Education

Zhejiang University

Master of Engineering (MEng), Material Science and Engineering, 2007 - 2010

Grade: 87.12/100

Activities and Societies: Graduates Union of Zhejiang University participated in a marketing contest for a milk product of Mengniu Corporation

Tongji University

Bachelor of Engineering, Material Science and Engineering, 2002 - 2007

Grade: 4.37/5.0

Skills & Expertise

Design of Experiments

JMP

Semiconductors

Six Sigma

Statistics

Characterization

CMOS

R

IC

Physics

SAS

Manufacturing

SPC

Failure Analysis

Cross-functional Team Leadership
Statistical Modeling
Semiconductor Industry
Machine Learning
Data Mining

Languages

English

(Full professional proficiency)

Mandarin

(Native or bilingual proficiency)

Volunteer Experience

Participant at Intel Corporation

April 2012 - May 2012

Certifications

Lean Six Sigma Green Belt

Intel Process Excellence Office August 2014

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[Contact Jerry on LinkedIn](#)