Wei Xu

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EDUCATION

University of Georgia, Athens, GA   August 2017- December 2019
Master of Statistics, GPA:3.95/4.0

Central University of Finance & Economics, China   September 2011 - June 2013
Master of Applied Statistics, GPA: 3.6/4.0

University of Science & Technology Beijing, China   September 2007 - June 2011
Bachelor of Economics, GPA: 3.4/4.0

GRADUATE COURSES

Completed   Applied Linear Models, Mathematical Statistics, Tools for Statistical Theory,
Applied Time Series Analysis, Introductory Statistical Collaboration, Theory of Linear Models,
Advanced Statistical Collaboration, Advanced Applications and Computing in R,
Advanced Data Analytics: Statistical Learning and Optimization (Computer Science Track).

PROJECT EXPERIENCE

Analysis of Drug Reviews, San Diego, CA   July 2018 – Present
- Preprocessing text reviews for further study of classification and topic modeling
- Predicting ratings given reviews, reduce the cross-entropy loss by 65%

Real-time Object detection, UGA CS project, Athens, GA   August 2018 – December 2018
- Laid the foundation for the project by rapidly familiarizing the team with CNN transfer learning
- Shorten the training time by making use of the computing power of GPU through Google Cloud
- Made the SDD300 model converge faster with new anchor boxes selected by the K-means algorithm

Georgia 4-H project, UGA Statistical Consulting Center, Athens, GA   August 2018 – December 2018
- Collected information to get the goal of the project and generated structured data from the raw survey data
- Found key factors that shape the identities of participants using Logistic Regression
- Addressed the result of analysis to non-technical clients with presentation and project report

Honduras ecological forecasting, NASA DEVELOP, Athens, GA   June 2018 – August 2018
- Communicated the weekly improvements to partners and collected their feedback
- Developed a methodology for timely detection of forest change by literature review and team discussion
- Detected forest change using remote sensing data and the detection tool we created on Google Earth Engine
- Nominated as the DEVELOPer of Georgia node

Identifying key marker genes related to drug sensitivity, Athens, GA   March 2018
- Selected key marker genes using variable selection methods such as LASSO
- Better understood the result by clustering and visualizing the selected variables through PCA/K-means

PROFESSIONAL EXPERIENCE

Lab Manager, Big data Analytics Lab, UGA, Athens, GA   August 2017 – May 2019
- Kept track the daily work of 18 lab members by establishing work procedures and schedules

HR Manager, China JINMAO Group Co.Ltd   August 2016 – July 2017
- Improved employee satisfaction by erasing concerns about daily HR affairs and social insurance policies

Data Analysis Specialist, China State Shipbuilding Corporation   July 2013 - July 2016
- Improved labor cost management of affiliated companies by analyzing monthly labor cost report

SKILLS
- Data Analysis with R and Python (Pandas, scikit-learn, Seaborn), Machine Learning, Deep Learning (Google Cloud Platform), SQL, Tableau and Microsoft Office
- Strong communication, time-management and multi-tasking, organization, and prioritization skills