Elva Yang

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EDUCATION

M.S. in Applied Statistics Aug 2014 - Dec 2015
Columbia University, Teachers College, NY GPA: 3.56/4.0
Awards: Columbia University Teachers College Scholarship;
Mr and Mrs R.L. Taylor Memorial Scholarship

B.S. / M.A. joint degree in Biology (Honors), *magna cum laude* Aug 2007 - Sep 2012
The City College of New York (CCNY), NY GPA: 3.52/4.0
Awards: Peter F. Vallone Scholarship; CLUSTER Fellowship; City College Fellowship;
National Science and Mathematics Access to Retain Talent Grant (SMART)

CERTIFICATES

MIT Professional Education
Data Science: Tackling the Challenges of Big Data (Oct 2016)
Data Science: Data to Insights (Nov 2016)
UCLA Professional Course(s): Machine Learning with R (May 2017)

SKILLS

Statistical Software: **R, SAS, IBM SPSS, Mplus, MATLAB, Excel** Database: **SQL**
Tool: **JAVA, Python, Microsoft Azure** BI Software: **Tableau ,Cognos Analytics**

EXPERIENCE

Consulting Data Analyst, Kaiser Permanente, Union City, CA Apr 2016 -
- Provided statistical consulting and programming support ranging from financial to operational to regulatory related programming requests
- Developed, streamlined programs/reports and performed in-depth analysis on extracted data with SAS EG, R and Tableau to make monthly report production
- Leveraged team's expertise and skills to provide technical training to analysts

Marketing Analytic Intern, CooperVision Inc., Pleasanton, CA Jun 2015 - Aug 2015
- Developed models to identify KPI for future promotion enhancements
- Implemented inventory models to track inventory for customers in real time
- Analyzed customer data to identify targets for new business and loyalty maintenance with market segmentation, regression analysis and RFM analysis
- Presented data to marketing management team with suggested course of action

Student Researcher, CCNY, Molecular Ecology Laboratory Sep 2010 - Aug 2013
- Phylogenetic Bayesian analysis on large DNA sequence datasets based on the theory of Bayesian inference and Maximum Likelihood
- Spatial ecological analysis on predicting distribution of an animal species with DIVA-GIS and the algorithms from MaxEnt

SELECTED PROJECTS

- Designed and implemented a database with PostgreSQL
- Multiple regression analysis on determining the characteristics of public preference to adoptable animals in an animal shelter
- Principal component analysis on time series dataset about the daily price change of the thirty companies that made up of the Dow Jones Industrial Average
- Principal component analysis on exploring the correlations among variables in an obfuscated dataset from Kaggle.com for predicting restaurant revenue