Olivia Chen

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EDUCATION

American University, Washington DC   **Fall 2014-Spring 2016**
Master of Science in Statistics (Quantitative analysis program) GPA: 3.79/4.0
University of California, Davis   **Fall 2011- Summer 2013**
Bachelor of Science in Economics, Minor in Communication

ACADEMIC HONORS AND AWARDS
Graduate Assistantship Award, American University   **Fall 2014-Spring 2016**

CERTIFICATES
• SAS Certified Base Programmer for SAS 9 Credential   **December 2014**

TECHNICAL SKILLS
 Machine Learning/Statistics: Classification, Regression, Clustering, Tree-based methods, Support vector machines, Naïve Bayes and Bayes net.
 Software and Programming Languages: Python (scikit-learn, pandas, scipy, IPython Notebook), R, MySQL, PostgreSQL , Spark (PySpark, MLlib), Hadoop, Java, JavaScript(D3)
 Selected Coursework: Survey Sampling, Bayesian Decision Theory and Inference, Time Series Analysis, Generalized Linear Model, Regression, Design of Experiments, Data Analysis with Machine Learning, Design of Programming Language

RECENT WORK EXPERIENCE
Data Scientist Intern, Equate Analytics, Washington D.C.   **Jan 2016 – Present**
 • Work with data science team, using predictive analytics technique to optimize VPA (value per arrival) for websites.
 • Conduct A/B tests and multi-armed bandit to test different algorithms and email content

Analyst Intern, Sol Systems, Washington D.C.   **May – December 2015**
 • Using APIs, constructed statistical analysis for solar production risk with internal & public data
 • Assembled interactive data visualization for renewable energy market
 • Applied time series analysis to forecast SREC (solar renewable energy credit) price
 • Worked with analytics team to design and build a econometrics model for SREC price

Corporate Measurement Intern, TechnoServe, Washington D.C.   **Jan 2015- May 2015**
 • Organized and managed raw data about hundreds projects and indicators for program evaluation in the database with SQL
 • Programed Excel to calculate primary indicators metrics for program evaluation and create data visualization with Tableau for reports

Graduate Research Assistant, American University, Washington D.C.   **Fall 2014 – Spring 2016**
 • Work with applied math professor on topological data analysis
 • Assisted Marketing Professor with statistical analysis (PCA, Generalized Linear Model) for paper *"The effect of out-group consumer contact on response to targeted marketing"*

Siri/Apple Maps QA Analyst, Apple Inc, Cupertino CA   **Sept 2013-August 2014**
 • Processed and analyzed user data in both US and China markets for product quality assurance
 • Collaborated with engineer teams to improve Siri performance
 • Conducted in-depth data analysis using internal tools/programs