

Zekai Chen

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EDUCATION

George Washington University, Washington, DC, USA

- M.S. in Statistics Aug 2016 – Dec 2017
 - Cumulative GPA: 3.66 / 4.00

Shanghai University, Shanghai, China

- B.S. in Mathematics and Applied Mathematics Sep 2012 – Jul 2016
 - Graduated with College Honors.

SKILLS

Programming: R(4 years), Python(3 years), SQL(3 years), C, C++, MATLAB, Julia, Latex
Machine learning framework: Keras, PyTorch, Tensorflow

PROFESSIONAL EXPERIENCE

Dihuni, McLean, VA

- Digital Market Research and Analytics Intern Jul 2017 – Aug 2017
 - **Market Research** Conducted market research on market and industry trends in Internet of Things (IoT), Connected Industries, Enterprise and Consumer Markets, Artificial Intelligence
 - **Data Collection** Collected and organized data from multiple sources : online, e-mails, conversations with technology and business professionals, analysts
 - **Dashboard Design** Defined, Designed and Developed customer surveys and interviews & product demos and developed analytics dashboards using best of breed technologies such as R, Python etc

IBM/Technology Support Services, Shanghai, China

- Information Analyst Intern, Global Competency Center Jun 2015 – Jun 2016
 - **Data Mining** Use BI tools such as Cognos and QMF to acquire data from corresponding database, providing foundations for business analysis.
 - **Data Interpreting** Explore the possible data metrics that have values to the business, to better describe facts and changes, progress and trends, identify challenges and opportunities, and uncover particular business rules and principles.
 - **Support the Business** Leverage analytical skill and critical thinking capabilities to help the functional teams and business owners develop business strategies, improve decision making, adjust business operation and enhance overall business outcomes.
 - **Worldwide Coordination** Form up regular communications and maintain relationships with the business focus from worldwide to increase mutual understanding, provide timely supports on problem solving, information query, etc.

RESEARCH EXPERIENCE

Department of Statistics, George Washington University

- Graduate Research, High Dimensional Inference Group Jan 2017 – Present
 - Project: High Dimensional Inference
 - Supervisor: Prof. Emre Barut
 - Focus: Combine and make improvement of existing **Lasso** algorithms; Application on the regulation of gene expression; Machine Learning; Statistical analysis; Data analysis
- Graduate Research, Twitter Mining Project Jan 2017 – Present
 - Project: Twitter Public Event Influence
 - Supervisor: Prof. Tatiyana Apanasovich
 - Focus: Capturing data from twitter of current affair; Apply Natural Language Processing approaches to automatically classify twitters; Analyze the retweets trend and do the prediction
- Work in progress
 - Chen, Z., Zhu, S., & Djavanshir, R. Predicting Brand Advertisement Consumption on Facebook by Model Comparison. Submitted to *Journal of International Management Studies*.

AWARDS & SCHOLARSHIPS

- The Mathematical Contest in Modeling, Meritorious Winner, USA Feb 2014 – Feb 2015
Sponsored by IORMS, SIAM, MAA, etc.
For attaining America's Mathematical Contest in Modeling and winning an Meritorious prize(top 10% in the world).

CAMPUS ACTIVITIES

Video blogger of Youtube, USA

- Deep Learning with Keras series Jan 2017 – Present
 - Tutorials of realization of most deep learning algorithms on Python with Keras.
Introduction: https://www.youtube.com/watch?v=X_uu-opYWrM&feature=youtu.be
Github: <https://github.com/ZEKAICHEN>

