**Leiwen Lin**

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EDUCATION

THE GEORGE WASHINGTON UNIVERSITY, School of Business GPA: 3.95/4.0 Washington, DC Master of Science, Business Analytics *12/2018*

* Focus on Machine Learning, Data Visualization, SQL & big data tools

TUNGHAI UNIVERSITY GPA: 3.94/4.0 Taiwan

**Bachelor of Science, Economics- Dual Major: Finance with Minor: Computer Science** *06/2017*

* Awarded as an honors graduate for academic outperformance, passion and dedication for volunteer contributions.
* Won seven university prizes with about USD 8,000 for academic and extracurricular outperformance, such as Phi Tau Phi Scholastic Honor Society, Presidential Award and Outstanding tutor.
* Earned the Graduate Certificate in Liberal Arts of Tunghai Poya School by finishing additional of liberal arts courses (history, music, aesthetics, etc.) and a one and half year active learning team project.

RELEVANT PROJECTS

* Technical Analysis on the Taiwan Stock Market
* *Gathered data by Python clawer and converted visual charts, such as MACD, KD and K charts, to computational models for computer-based analysis, achieving 31.37% simulated annual return.*
* Budgeting platform software engineer design
* *Led a four people group designing personal budgeting platform with requirements document and design document and won the highest grade of the Software Engineering class project.*
* Credit Card Fraud Detection
* *Identified fraud transactions with over 98% accuracy on hugely imbalanced transaction level data from Kaggle, using Synthetic Minority Over-sampling Technique and machine learning approach Random Forest and Extreme Gradient Boosting models*
* *Made recommendations on designing an automatic fraud detection system with the models.*
* Yelp open data competition
* *Developed a Tensorflow & Keras deep learning model achieving 87.83% specificity rate, 86.97% precision rate with 80% cut-off predicting 5 stars reviews in Test set of Yelp data challenge.*
* APP store monetization experiment design
* *Built interactive and scalable Python dashboard to measure impact of A/B test in store purchase flow by drawing Jackknife confidence interval and calculating statistical significance.*
* *Made recommendation of running experiment to incentivize user to purchase gift card, presented this recommendation and demoed Python dashboard to audience of 30 people including 6 capstone committee members.*

EXPERIENCE

**Foundation Alliance of China Co., Ltd. Fuzhou, China**

##### A PE fund management company (link: http://www.cytzlm.com)

***Investigator intern, due diligence*** *07/2015-08/2015*

* Boosted due diligence process two days earlier than five days expected by collecting and analyzing information of company on the government open data.
* Analyzed and visualized significant threats and developments of company by Porter's five forces diagram in due diligence report.
* Enhanced and clarified process of production and stock related tables directors by Unified Modeling Language.

TECHNICAL SUMMARY (Github: https://github.com/linleiwen)

* **Certificates:** Chartered Financial Analyst level 2 candidate
* **Programming Languages:** Python (Pandas, Pyspark, Pymysql, Tensorflow, Keras), R, PostgreSQL, Java
* **Data Analytics & Visualization tools:** Plotly, Tableau, AWS EC2 & S3, Linux Shell, Excel VBA , SAS EG& EM
* Through client recommendations, earned TRW Star Award in August 1997 and July 1998 and TRW Excellence Award in December 1998 for continually exceeding customer expectations.

ADDITIONAL INFORMATION

**Leadership:** Recruited members and doubled the number of Tunghai English Speaking Club members by holding two campaigns and delivering three presentations as a co-founder and recruiter.

**Volunteer:** volunteered at Global Center for Big Data in Mobile Analytics of Fox school, organizing the center workshops, summarizing the key information of over 60 papers, preparing thesis and valuable abstract for Dr. Luo.

**Personal hobbies:** Kaggle amateur, online course (Udemy, Coursera, Udacity), table tennis.