

# Yipin Lu

yl886@georgetown.edu • (202)469-9359 • 1660 N 21st Street, Apt 001, Arlington, VA 22209

## Education

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### Georgetown University

Master of Science in Analytics (Concentration in Data Science) 2017-2019

- **Coursework:** Introduction to Data Analytics (Fall 2017), Probabilistic Modeling and Statistical Computing (Fall 2017), Effective Presentation for Technology & Science (Fall 2017), Statistical Learning (Fall 2017), Massive Data Fundamentals (In Progress), Structures and Algorithms for Analytics (In Progress), Empirical Methods in Natural Language Processing (Audit) **GPA: 3.89/4.0**
- **Project:** Applied the Random Forest, Naïve Bayes, SVM, KNN and CART to analyze the relationships between Yelp reviews and local weather; used NLTK to pick up popular words, and conduct sentiment analysis; used Hierarchical Clustering and DBSCAN to find homogeneity among variables

### Zhejiang University

Master of Engineering in Electronic and Communication Engineering 2014-2017

Bachelor of Engineering in Information and Communication Engineering 2007-2011

Bachelor of Management Science in Business Administration (Entrepreneurship) 2007-2011

## Work Experience

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**China Mobile Group Zhejiang Co., Ltd., Hangzhou Branch; Network Engineer** 2011-2017

- Managed 10+ people to *optimize mobile network performance* in one third of Hangzhou City; Participated in the China Mobile's *Internet of Things (IoT)* Experimental Tests in Hangzhou; Guaranteed mobile-communication quality for important events (e.g., The State Banquet of the G20 Summit in 2016)
- Created *the world's first and largest real-road LTE-Vehicle (LTE: A 4G mobile communications standard) network* in 2016 (as a core technical and coordinate member with partners from Alibaba, Saic Motor, etc.), reduced the communication time delay by 90%, and thus realized real-time Vehicle-to-Everything (V2X) safety applications
- Led 20+ people to accomplish Circuit Switched FallBack (CSFB) deployment in Hangzhou, which *for the first time enabled Apple Mobile users to use 4G to communicate* in Mainland China
- Enrolled in "*Excelling as a Future Manager*" program launched by China Mobile Hangzhou Branch

## Certificates & Skills

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- **Chartered Financial Analyst® (CFA) Program:** Passed Level III exam
- **Certified Telecommunication Engineer of the P.R.C.** (by the Ministry of Human Resources and Social Security and the Ministry of Industry and Information Technology of the P. R. C.)
- **Programming Language:** Python, R, SQL
- **Framework and Tools:** Tableau, Plotly, RMarkdown

## Patents & Publications

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- First Inventor of Patent [Patent Pending] (*Resource Distribution Method and Device of Terminal Concurrence Service, and Base Station*. Patent Application No. CN201410609931.1).
- First Inventor of Patent [Patent Pending] (*Neighbor Relation Determining Method and Apparatus*. Patent Application No. CN201410069313.2).
- Lu Y. "4G Era—Exploration of the Value of Data." *Mobile Communications*, vol. 37, no. 355, 2013, p.50.
- Lu Y. and Zhou H. "GSM\_TD-SCDMA Reselection Time Delay Analysis." *Telecommunications Technology*, vol. 3, 2013, pp. 62-65.

## Honors

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- Outstanding Individual Provincial Communication Backup for Emergency Drilling against Typhoon and Landslide: *Zhejiang Communications Administration* 2015
- Excellent Employee: *China Mobile Hangzhou Branch* 2014