

# LINGMEI ZHAO

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## Education

<b>The George Washington University</b> Master of Science in Statistics, GPA: 3.83/4.00 <b>Highlighted Coursework:</b> Advanced Software Paradigm, Design & Analysis of Algorithms, Statistical Data Mining, Machine Learning II	Expected May 2020 Washington, DC, USA
<b>Shanghai University of International Business and Economics</b> Bachelor of Arts in Assets Appraisal, GPA: 3.86/4.00	Sept 2013 - July 2017 Shanghai, China

## Technical Skills

<b>Coding</b>	Java, C++, Python, R, SQL, Shell scripts
<b>Big Data Tool</b>	Spark, Hadoop, Hive, HBase, Kafka
<b>Front-end</b>	HTML, CSS, JavaScript
<b>Back-end</b>	Spring, Hibernate, JDBC, JUnit, RESTful API, MySQL
<b>AWS</b>	EC2, RDS, S3, CloudWatch

## Experience

<b>Software Developer Intern</b> <i>Perthera</i> <a href="https://perthera.com/">https://perthera.com/</a>	May 2019 - Aug 2019 <i>McLean, VA</i>
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- **Web Services:** Developed 5 websites using Java Vaddin with team members; Used JDBC to retrieve information from the database. Managed and maintained 30 code repositories, added 25 features to the existing functionality of the internal systems.
- **Data Pipelines:** Designed and developed complex data pipelines to retrieve data from XML documents of a medical research lab.
- **Business Intelligence:** Implemented 3 report generators providing RESTful API, which can create reports automatically and send them via fax and email. Increased the productivity of the sales teams and customer service team, and helped managers to make better decisions.
- **Database:** Managed more than 4,000 patients' data on MySQL database, and designed the relational tables.
- **AWS:** Deployed the web services on AWS EC2, database on RDS, and static files on S3. Debugged the systems using CloudWatch to check the logs. Maintained Linux instances on EC2.
- **Project Management:** Used Git for version control. Experienced scrum agile development life cycle in a team environment.

<b>Teaching Assistant - Programming for Analytics</b> <i>George Washington University</i>	Sep 2019 - Dec 2019 <i>Washington, DC</i>
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- **Course:** Tutoring and grading 23 students in Professor John Helveston's Programming for Analytics course.
- **Tutoring:** Open sessions for students every week. Teach students to analyze and visualize data using R (tidyverse and ggplot2), to manage projects with RStudio, and to write analysis reports using R Markdown.
- **Grading:** Utilizing RStudio Cloud to grade students' submission of R code.

<b>Research Assistant - Data Visualization / Dashboard</b> <i>George Washington University</i>	Oct 2018 - Apr 2019 <i>Washington, DC</i>
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- **Project:** Worked as a group research collaborator for Dr. Benjamin Harvey's research on recommender system.
- **Dashboard:** Developed an interactive data dashboard for data visualization with R and Python, and display the results in the web pages. Used JQuery and RESTful API to provide interoperability between the dashboard and the back-end.