

# Heqing Sun

919-279-0193 | [heq.sun@gmail.com](mailto:heq.sun@gmail.com) | [www.linkedin.com/in/heqing-sun](http://www.linkedin.com/in/heqing-sun) | [hq-sun.github.io](http://hq-sun.github.io)

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## OVERVIEW

Analytically minded professional with a demonstrated track record of excelling in problem-solving, critical thinking, coding, and working in teams. Key abilities include the following:

- Motivated practitioner with a solid understanding of data science algorithms and 2+ years' experience using Python, SQL to solve large-scale data analysis problems
- Effective communicator that articulate complex concepts for audiences with diverse backgrounds
- Passionate team player and individual contributor with robust organizational and interpersonal skills

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## PROFESSIONAL EXPERIENCE

**Data Science Intern — Cape Fear Collective, Wilmington, NC** May 2020—Present

- Sourcing, cleaning, and transforming publicly available demographic, population, and economic data to create over 100 county-level socioeconomic indices
- Creating cumulative performance metrics summarizing said indices for over 3000 counties
- Utilizing several machine learning methodologies in R to determine county-level peer groups
- Summarizing insights in a comprehensive dashboard to inform future work on a regional scorecard

**Data Science Practicum Participant — Bank of America, Charlotte, NC** August 2019—May 2020

- Partnered with Consumer Anti-Money Laundering team to identify anomalous financial centers
- Evaluated approximately 30GB of data drawn from financial centers and customer interactions to find unknown criteria and latent features indicative of the anomalous financial center activity
- Developed machine learning algorithms in Python to classify financial centers across varying levels of risk and identified important features that drive the anomaly
- Built visualizations in Tableau to present key insights and recommendations to executives and multiple strategy stakeholders

**Data Analyst — Wind Information Co., Ltd, Nanjing, China** June 2018—May 2019

- Sped up the CFDA data collecting and cleaning process 20-fold by developing a database automation tool using Python and SQL
- Incorporated a new Indian generic drug module with 3000+ generic drugs and 100k brands into the existing platform by contributing to module design, data collection, and data wrangling steps
- Administered pharmaceutical-related Private Equity and Venture Capital (PEVC), Mergers and Acquisitions (M&A) modules and conducted both descriptive and inferential statistics
- Boosted product sales by 25% via conducting customer interviews and competitive product analysis to understand the customer needs

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## SKILLS

- *Software:* Python, SQL, R, SAS, Tableau, GitHub
- *Analytical:* Data Wrangling, Feature Engineering, Dimensionality Reduction, Data Visualization, Statistical Modeling, Predictive Analytics, Clustering, Anomaly Detection, Relational Database Management and Querying, Design of Experiments
- *Certifications:* SAS Certified Specialist: Base Programming Using SAS 9.4  
SAS Certified Statistical Business Analyst Using SAS 9  
Google Analytics Individual Qualification

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## EDUCATION

**M.S in Analytics** — Institute for Advanced Analytics, NC State University, Raleigh, NC May 2020

- GPA: 3.67/4.0
- Relevant Courses: Linear Algebra, Logistic Regression, Time Series and Forecasting, Data Mining, Text Analytics, Machine Learning, Survival Analysis, Financial Analytics, Big Data, Deep Learning

**M.S in Chemistry** — University of North Carolina at Chapel Hill, NC May 2018

**B.S in Chemistry, outstanding graduate** — Nanjing University, Nanjing, China June 2016