

Bingkun Luo

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EDUCATION

Columbia University, Mailman School of Public Health
Master of Science in Biostatistics

New York, NY
August 2019 – Present

University of Illinois at Urbana-Champaign
Bachelor of Science in Actuarial Science and Statistic

Champaign-Urbana, IL
August 2015 – May 2019

- **Cumulative GPA:** 3.67/4.0
- **Computational Skills:** R, SAS
- **Relevant Courses:**
- Linear Algebra and Financial Applications, Methods of Applied Statistics, Applied Regression and Design, Applied Bayesian Analysis

WORK EXPERIENCE

IQVIA

Consultant intern

Shanghai, China
May-August 2019

- Interviewed and collected data from clinical expertise and oncologist for trials that conduct in two to three years
- Assorted the 128 drugs that had been added into China's basic health insurance during August and identified their targets
- Submit weekly report and assist consultant associate to produce final PowerPoint that addressed the effect of healthcare reform on public hospital clinical trial and biomedical company, especially targeted therapy drugs

Shanghai Life Insurance LIANIN

Actuarial Product Development Intern

Shanghai, China
July-September 2018

- Conducted market research for Life and Accident insurance to propose new insurance planning, particularly in the aspect of providing products to large cooperation clients
- Analyzed insurance payout and premium data with Excel to form price and rating model to propose potential alterations to current insurance products
- Participated in weekly meetings to learn group benefits, personal risk, claims and safety, and risk management.
- Help reviewed regulatory changes and best practices to make informed recommendations on clinical and quality initiatives to help the company to stay competitive in the health insurance industry

Shanghai SICC Construction Engineering Consulting Co., Ltd.

Operations Intern

Shanghai, China
July-August 2016

- Assisted in analyzing project cost including material, labor, marketing cost and used Excel to produce comprehensive cost/revenue report to industrial companies.
- Participated in data management and processing,
- Took responsibilities for due diligence in pricing estimate from a different perspective of the industrial projects (i.e, hospital building projects, tunnel), including constructing excel spreadsheet.

SELECTED COURSE PROJECTS

Modeling for pricing of Fine Art Products, IL

August-December 2017

- Built a pricing model to analyze input: the existence of signature, surface, authors' living status, sales dates, etc., to produce pricing estimates for art products, especially in Painting products.
- Fitted models around linear regression with log transformation and a two-steps Hedonic Regression with team
- Conducted market research for art products, particularly in the insurance industry and price index, investigate through the timeline of the historical famous price indexes, such as Mei and Mose
- Presented the projects in front of over 30 student advisors and industrial professionals and invited guest

Analysis of Spam Emails, IL

October-November 2018

- Used random forest to analyze the spam data set contain 58 attributes and 4000 observations
- Selected significant attributes using methods of "Naïve Bayes" and "Random forest" as a group to detect the spam more efficiently

Prevent and Care-giving for Alzheimer's Disease (AD), IL

August 2016

- Summarized current problems faced by AD patients in primary research literatures
- Analyzed the advantages and drawbacks of online "Trial Match" as early diagnostic tools
- Proposed possible improvement for the existing early diagnostic tools
- Concluded the importance of and advice for care-givers and community engagements in AD patients