

Alexis Li

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EDUCATION

Columbia University

Master of Science in Biostatistics | 3.5/4.0

Courses: Data Science(R), Biostatistical method(R), Statistical Inference, Relational Databases and SQL Programming

New York, NY

Sep, 2021-May, 2023

DePauw University

BA in Economics & Minor in Biochemistry | 3.77/4.00 Magna cum laude

Courses: Linear Algebra, Statistics for Econ&Mgmt, Econometrics, Chemometrics, Biostatistics

Leadership: Head of Finance for Restorative Justice

Honors: University Merit Scholarship, Dean's List nominated every semester

Greencastle, IN

Jul. 2017- May. 2021

Oxford University, Jesus College

Exchange Student

Courses: European Economics, Developmental Economics, Molecular Biology, and Molecular Immunology (with all A's)

Oxford, UK

Jan.10, 2020- Jun.30, 2020

PROFESSIONAL EXPERIENCE

J.P. Morgan Chase & Co

Financial Analyst

- Constructed an Investor Pitchbook over Global Multi-Asset Index Portfolio explaining what should be invested in and avoided in the next 3-6 months. Shared with JPM private capital group for their marketing materials on the upside potential of riskier elements and downside protection on the safe assets
- Built R and Python models to actively recalibrate risk and return based on new information for global market asset class (equity, fixed-income, foreign exchange, and commodity)
- Created Excel models for Covariance and Correlation Matrices, and Pearson product-moment correlation coefficient to analyze past data on assets from different classes and economies

London, UK

May. 2020 - Jul. 2020

Beijing Appraisal Center for Environment and Engineering

Data Analyst & Strategy Intern

- Constructed Personnel Management database. Refined database for companies under contracts in order to conduct municipal environmental investigations and streamline contract reviews.
- Communicated with provincial appraisal centers to update companies contract database and ensure new government policy compliance

Beijing, China

Jun. 2018 - Aug. 2018

RESEARCH & PROJECTS

Algorithmic Foundation of Computation Applications

Algorithmic Modeling Researcher

- Investigated possible gene sequencing algorithms for sequencing the COVID-19 virus
- Performed estimation and validation by combining Phylogeny Model and the Paired Hidden Markov Model for the optimal correction on gaps along with virus sequencing with probability

Mar. 2020- Apr. 2020

Precious Plastic at DePauw

Summer Researcher

- Designed a safe and operational plastic recreation process that incorporated advanced chemistry research and communication around the community resources, initiated new recycling collection points, assembled the shredder, extrusion, injection, etc
- Documented and interviewed every participant to produce a project documentary. Presented the documentary to the school board and funders.
- Developed a website within the college library system to share our project outcome.

May. 2019- Aug. 2019

Building a Leontief Input-Output Model for Net Output of China in 2015

- Created Excel matrix model to investigate the balanced relations between the levels of output in all the productive sectors of the economy of China and the quantities of their respective products delivered to final users

Mar. 2019- Apr. 2019

Environmental Causation of Depression Regression Analysis

- Applied Excel and R to examine correlation, hypothesis testing, and 4 fitting models of multiple logistic regression. Completed 2 progressively statistical papers

Oct. 2019-Dec.2019/Sep. 2020- Nov. 2020

SKILLS & INTERESTS

Technical Skills: R, Python, SQL, Excel, Git, Tableau

Interests: film, hiking, endurance running, community service(active volunteer over undergraduate), French