

HUA (HANA) JING

(720) 431-3760 // huahana.jing@nyu.edu // [linkedin.com/in/huahanajing](https://www.linkedin.com/in/huahanajing)

EDUCATION

Expected 12/23	NEW YORK UNIVERSITY The Courant Institute of Mathematical Sciences M.S. in Mathematics in Finance <ul style="list-style-type: none">• Coursework: object-oriented programming (Java), regressions & time series, data-driven modeling, deep learning, Black-Scholes, Monte Carlo simulation, stochastic calculus	New York, NY
08/19 - 05/22	UNIVERSITY OF COLORADO, DENVER B.S. in Mathematics, B.A. in Economics, minor in Data Sciences <ul style="list-style-type: none">• Coursework: machine learning, regression analysis, probability, real analysis, numerical analysis, PDE, linear algebra, econometrics, macroeconomics, microeconomics• Honors/Awards: Magna Cum Laude, Dean's List every semester	Denver, CO
08/18 - 06/22	CHINA AGRICULTURAL UNIVERSITY B.A. in Economics (Joint Degree Program with CU Denver)	Beijing, China

EXPERIENCE

11/21 - 01/22	HUATAI SECURITIES Quantitative Research Intern <ul style="list-style-type: none">• Projected upper and lower bounds of crude oil prices for next quarter by aggregating data from indices (e.g., US Dollar Index, PMI) as well as crude oil production; conducted analysis• Used Python to complete Monte Carlo pricing model and simulate returns of snowball autocallable options after identifying their structure	Remote Nanjing, China
09/20 - 12/20	DELOITTE CONSULTING Research Assistant <ul style="list-style-type: none">• Evaluated largest Chinese express delivery, logistics, e-commerce, and financial conglomerate by developing 5-year cross-industry strategic plan• Assessed wide range of data with Python API; employed exponential smoothing to make recommendations to client about entering or expanding into 12 sub-sectors• Predicted net income of client's parent company for forthcoming 5 years with regression methods in R	Beijing, China
01/20 - 03/20	SOOCHOW SECURITIES Research Intern <ul style="list-style-type: none">• Analyzed communications company by reviewing development budgets, technology advancement, and potential customers; wrote published report with research results• Read annual reports of 52 communications companies; compared data on public fund positions for 3Q19 using Excel VLOOKUP; calculated and evaluated quarter-on-quarter growth ratios	Beijing, China

PROJECT

02/22 - 05/22	ZAP ENERGY & UNIVERSITY OF COLORADO, DENVER Computational Accuracy and Efficiency in Solving Partial Differential Equations (Python) <ul style="list-style-type: none">• Built finite difference solution functions for 1-D, 2-D, and 3-D spherical heat equations to contribute to Zap Energy's fluid dynamics study• Compared speed and accuracy of calculations with GPU's and CPU's capabilities to calculate numerical solutions; depicted errors in grids and time steps	Denver, CO
---------------	--	------------

COMPUTATIONAL SKILLS / OTHER

Programming Languages: Python, Java, R

Languages: English (fluent), Mandarin (native)

Other Experience: Research Assistant at University of Colorado Denver focusing on Development Economics (Stata, Latex, and GIS); Volunteer Group Leader helping 300+ patients from rural areas of China (Hospital Guidance)