Fan Zhu
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EDUCATION

Duke University, Master of Science Candidate in Statistical Science — Degree expected: May 2022
University of North Carolina at Chapel Hill, Graduated with the *Highest Distinction* — May 2020
• Bachelor of Arts in Economics (*Highest Honors*), Minor in Mathematics
Credential in Quantitative Financial Economics, founded by UNC & Nasdaq — May 2019
Harvard University, Summer School Program — May 2015 - July 2015

HONOR

Phi Beta Kappa Honor Society, UNC Chapel Hill — March 2020
President of Psi Chi, International Honor Society in Psychology, UNC Chapel Hill — May 2019 - May 2020
Herbert Brown Mayo Financial Economics Research Fellowship, UNC Chapel Hill — April 2019

EXPERIENCE

Duke's Fuqua School of Business — **Duke University**
Graduate Teaching Assistant — September 2021 – October 2021
• Worked as the TA for Professor Mike Aguilar's *Empirical Economics* and Professor Alexandre Belloni's *Data Science for Business* at the Master of Quantitative Management program
• Held office hours over four hours per week to provide students with customized support in econometrics models, machine learning, mathematical modelling and R; graded assignments and exams

Duke University Management Company — **DUMAC, Inc & Rhodes Information Initiative**
Summer Intern — June 2021 - August 2021
• Worked under Project Manager Ana Corral's guidance to developed dynamic Tableau dashboards that enable investment professionals at DUMAC to efficiently track the exposures and positioning of their >$20 Billion assets at both fund manager level and aggregated level across various dimensions, such as security type, region, industry & sector, fund asset class and etc.
• Dashboards are connected to DUMAC's data warehouse and refreshed daily for the public market accounts

Duke's Center for Advanced Hindsight — **Duke University**
Research Assistant — February 2021 - May 2021
• Conducted dyadic analysis over large datasets in R to study the effect of dyad-linked incentives
• Held weekly office hours to answer technical and statistical questions from researchers in the Health Team

Quantitative Financial Economics Program — **UNC & Nasdaq Educational Foundation**
Teaching Assistant — August 2019 - May 2020
• Computed, visualized and tracked the portfolio performances of eight teams in the virtual stock exchange game weekly through Excel and Microsoft Power BI
• Computed and visualized the performances of 84 ETFs across 5 asset classes and 5 regions; updated the ETF performance summary sheet and interactive dashboard weekly through Power BI, R and Excel
• Updated QFE events & set up the infrastructures for the alumni network and the QFE lab on the official website through WordPress and HTML
• Held help sessions six hours a week to tutor over 80 students in financial economics for one academic year

SKILL

Software: R, Python, MATLAB, Excel, Tableau, Microsoft Power BI, AWS, SQL, Stata, SPSS & Qualtrics
Language: Bilingual fluency in Chinese and English; Intermediate German