Wenshu (Grace) Chang

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EDUCATION

University of Washington — **Seattle, WA**
MSc in Computational Finance and Risk Management, *GPA 3.8/4.0* — Sep 2019 - Dec 2020 (Expected)

Chinese University of Hong Kong — **Hong Kong**
BSc in Quantitative Finance and Risk Management, Minor in Statistics, *Honors Degree, GPA 3.4/4.0* — Sep 2015 - Jun 2019

University of California at Los Angeles — **Los Angeles, CA**
Summer Research in Anderson School of Management, *Cross-disciplinary Scholars, GPA 4.0/4.0* — Jul 2019 - Sep 2019

University of Texas at Austin — **Austin, TX**
Semester Exchange in McCombs School of Business, *University Honors, GPA 3.5/4.0* — Aug 2017 - Dec 2017

FINANCIAL ANALYSIS AND MODELING SKILLS

- Financial Accounting, Corporate Finance, Financial Analysis, Financial Management, Marketing, Intermediate Finance
- Financial Data Analysis with SQL and Excel VBA, Risk Management, Statistical Modelling, Machine Learning for Finance

PROGRAMMING AND ANALYTICAL SKILLS

- Proficient with: Python, SQL, R, Bloomberg Terminal, Yield Book, FactSet, Microsoft Office
- Competent using: C++, SAS, Access, VBA, AMPL, EVIEWS, Tableau, Fincad, Capital IQ

WORK EXPERIENCE

Western Asset Management Company — **Pasadena, CA**
Risk Analyst Intern at the Quantitative Analytics and Risk Modelling Team — Jun 2020 – Aug 2020

- Deployed analytics production and quality control for 120,000 fixed income securities on a daily basis. Maintained and updated population and primary analytics database; resolved production issues in a timely manner.
- Created standalone analytics process for muni held and benchmark based on Yield Book. Conducted vendor comparison of a standard set of security analytics including average life, spread duration, different measures of yields, key rate durations/convexities. Revamped and expanded old models, processes and infrastructure from SAS to Python.

CTL Business Group LLC — **Los Angeles, CA**
Investment Analyst Intern at the Financial Modelling & Projection Team — Apr 2020 – June 2020

- Conducted due diligence on companies and industries in Canada and United States by researching, evaluating financial statements and market data; analyzed market segmentation, competitive landscape, business strategy and market trend.
- Prepared start-up business market research, business plan, financial valuation and projection, investment proposals for fund managers and client use. Built and managed relationships with potential customers and clients.

Allied Millennial Partners LLC — **New York, NY**
Quantitative Analyst Intern at the Equity Research Department — Jan 2020 – Mar 2020

- Conducted quantitative equity research to identify investment opportunities and presented to senior investment committee.
- Built time series models using machine learning techniques including ARIMA, GARCH, LSTM and RNN to provide stock price prediction; applied weak-form efficiency test with considerations of seasonality, sector exposure and economic indices.
- Designed a new performance measurement and attribution process that supports investment strategies and different trading desks, which integrates with portfolio management process and facilitates client write-up of investment strategies.

China Quant Asset Management Limited — **Shenzhen, China**
Quantitative Researcher Intern at the Quantitative Research Department — May 2018 - Jul 2018

- Utilized quantitative techniques to develop and back test trading strategies in equity volatility and commodity futures.
- Developed a delta-neutral SABR model-based volatility trading strategy for equity index options; achieved +13%, +8%, and +14% annualized return for a long/short, long-only, and short-only with hit ratio of above 55%.
- Conducted multilinear regression to analyze the sensitivity of 20+ commodity futures' forward price curve slope relative to various factors including inventory, seasonality and historical price volatility.

GF International Investment Management Limited — **Hong Kong**
Financial Analyst Intern at the Portfolio Management Department — May 2017 - Aug 2017

- Tracked and evaluated portfolio analytics including underlying holdings, inflows and outflows, performance attribution and risk metrics; utilized Bloomberg Terminal and FactSet to conduct market research and equity valuation.
- Developed analytical tools to automate process of portfolio optimization, performance attribution and cashflow modeling.

COMPETITION EXPERIENCE

KPMG Business Administration Paper Competition Promotion Challenge 2019, Grand Final Champion — **Hong Kong**

- Designed an Integrated mobile Payment Gateway (IPG) prototype and prepared Business Plan report and pitchbooks

J.P. Morgan Asset & Wealth Management Case Competition 2018, Grand Final Top 20 Team — **Hong Kong**

- Constructed portfolios for reaching 23% higher returns than benchmark index using CAPM and Monte Carlo Simulation

World Asian Business Case Competition Challenge 2017, Grand Final Top 10 Team — **Hong Kong**

- Performed financial analysis and valuation for national brands stock recommendation: Kweichow Moutai (SHA: 600519)