Veronica Lee

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CORE SKILLS

Python, R, SQL, Git, UNIX, AWS, GCP, Hadoop, Spark, MapReduce, Heroku, Flask, Stata, SPSS, QGIS, VBA, HTML, CSS

WORK EXPERIENCE

Hodges Ward Elliott - HWE   New York, NY
Data Scientist, Research & Investment Sales   Sep, 2019 − Present
A boutique real estate brokerage and investment banking firm with over $70 billion of closed transactions
- Build real estate investment-focused predictive models, interactive tools, and analyses of big datasets, crafted into digestible reports
- Develop data sourcing strategy, end-to-end data science workflows and the validation of related infrastructure and technology
- Perform statistical analysis on alternative/financial data to generate unique investment theses, market insights and asset valuations
- Cover and source cross-border outbound investments for Asian institutional investors as a licensed real estate salesperson

The Data Incubator   New York, NY
Data Science Fellow   Jan, 2019 − Mar, 2019
Cornell-Tech incubated data science fellowship for STEM Ph.D. & Masters with <2% admission rate. The curriculum includes:
- Machine Learning, Natural Language Processing, Data Structure and Algorithm, Data Visualization, Distributed Computing
- Programming Languages and Tools: Python, SQL, Spark, Hadoop, MapReduce, GCP, AWS, Git, UNIX, Heroku, Flask, D3.js

Columbia Business School   New York, NY
Graduate Research Assistant, Management Department   May, 2017 − Oct, 2018
Analyzed how CEO's risk-taking personality trait impacts on firm's acquisition performance
- Collected and conducted NLP analysis on unstructured data - shareholder letters, firm acquisition records, CEO biographies
- Developed multi-variate regression models and machine learning algorithms for hypothesis testing

HEC Paris   Remote work in New York, NY
Graduate Research Assistant, Management Department   Oct, 2017 − May, 2018
Examined the role of social networks and creativity in shaping early 20th century abstract artists' fame
- Collected and processed artists' artwork images, biographies, letters and historical text data for machine learning applications
- Quantified the fame, creativity, and social network of the artists for advanced statistical analysis

Bank of America Merrill Lynch   Jun 2012 − May 2017
AVP, Counterparty Credit Risk Portfolio Management   Jun 2014 − May 2017, New York, NY
- Developed and implemented methodologies to evaluate total company counterparty credit risk exposure
- Enhanced Internal Models Methodology (IMM) by providing advanced analysis on Risk Weighted Assets (RWA)
- Conducted sensitivity analysis by asset class, region and industry to measure and manage portfolio risk
- Worked with Sales and Trading, Quants and Credit Underwriting Groups to mitigate risk exposure

Global Risk Management Analyst, Markets Risk Portfolio Management; 2nd year rotation   Jul 2013 − Jun 2014, New York, NY
- Applied to and selected by the most competitive team within the risk rotational program
- Enhanced computational accuracy of VaR backtesting and the attribution of profit and loss for portfolio optimization
- Analyzed market risk profile of trading businesses using VaR model, scenario analysis and statistical analysis
- Produced VaR backtesting reports for C-level executives, senior management, and regulatory examinations

Global Risk Management Analyst, CFO Compliance; 1st year rotation (placed)   Jun 2012 − Jul 2013, Charlotte, NC
- Hired into the highly selective 2-year risk rotational analyst program
- Built streamlined compliance issue monitoring models with enhanced compliance metrics for CFO group

EDUCATION

Columbia University, M.A. Quantitative Methods - Data Science Focus *2017*   New York, NY
- Earned degree while working full-time

University of Virginia, B.A. Economics & Chinese (double major) *2011*   Charlottesville, VA

VOLUNTEER EXPERIENCE

NY KANA Corporation, 501(c)3 Nonprofit Arts Organization *Board Member*   Nov 2014 − Present
- Lead business development plans and manage 50+ staffs for 501(c)3 nonprofit arts organization
- Develop organizational budget by winning the grants and funding from the governmental and institutional sponsors

U&I Corporation *Co-founder*   Oct 2011 − Apr 2012
- Established U&I Corporation providing social commerce services with partnered local stores and restaurants

OTHER SKILLS

Languages: Native speaker of English & Korean; Intermediate Mandarin Chinese
Licenses & Certifications: Licensed Real Estate Salesperson; The Data Incubator Fellowship; Neural Network and Deep Learning Coursera certificate, Microsoft Office Specialist (MOS) certificate   **Other Tools:** MS Office (Excel), Bloomberg Terminal, Argus