Ella **Fan**

DATA SCIENTIST

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"Make correct and data-proved decision, turn data into profits."

Summary

Thorough and meticulous Data Scientist passionate about helping businesses succeed. Exciting on solving challenges and improving perfomance across financial and data areas. Excellent communication skills and abilities to make abstract concepts into clear insights. Highly educated, recipient of a Bachelor's degree and professional certification in finance and data analysis. Possessing strong technical skills rooted in substantial training in BCIT Applied Data Analyst Program. Former Credit/Data Analyst and CFA level III Candidate.

Skills

Data Management
- Relational databases (MySQL), Math (statistics modeling and probability), Forecasting techniques
- Time series analysis, Data mining, Business intelligence (BI), Data warehousing, SSAS, SSRS

Financial
- Advanced Financial analysis, Demond modeling, Corporate finance knowledge, Budgeting, Expense tracking
- Risk management, Pricing and Revenue optimization, Business performance analysis, Trend analysis

Computer Science
- Advanced Microsoft Excel functions, Tableau, Python (Pandas, Matplotlib, NumPy, SciPy), R (RStudio), MS Project

Soft Skills
- Logic and analysis, Problem-solving and troubleshooting, Pattern and trend identification, Efficiency
- Risk management, Clear writing and report writing, Critical thinking, Attention to detail, Decision-making
- Training and instructing, Teamwork & collaboration, Creativity, Leadership, Time management

Work Experience

Volkswagen Finance.

CREDIT/DATA ANALYST *Jan. 2013 - Jun. 2015*

- Utilized Tableau, Advanced Excel, SQL and R for data visualizations and price analysis.
- Developed key risk indicators/KPIs to monitor financial risks and decreased costs by 8%.
- Tracked and analyzed pricing change, sales/industry rankings and payment records data.
- Improved existing and created new forecasting models to push the company's finance results.
- Employed statistical methodology and converted data into clustered, classified, predicted insights.
- Interview dealer/business owner to get comprehensive understanding of root captial problems.
- Analyzed financial data (budgets and income) with consideration for the company's goals.
- Collaborated with specialists department and prioritize tasks importance and impact.

Heng An Standard Life Insurance Co.

INVESTMENT ACCOUNTING *Sep. 2011 - Dec. 2012*

- Synthesized and analyzed process bonds, funds, translate quantitative finding to result.
- Identified investment valuation trends, calculated investment price and assets.
- Generated reports, charts, and tables on cash flow statement, balance sheet, income statement.
- Tracked actual financial results, compared and corrected data in regards to transactions.
- Recommend, developed rules and projects with data-driven analysis that improving competitive position.

Shenzhen Development Bank.

ACCOUNT MANAGER *Jul. 2008 - Aug. 2011*

- Audited client financial needs, wrote investigation reports, complete credit rating.
- Collected and provided necessary info for credit decisions, solved problems found in vetting.
- Communicated and coordinated project discussions and inspected the assessment for credit risk.
- Responsible for loan management work, regular loans, tracked usage per customer.
- Managed 3 big projects that had over 30 enterprise customer loans.

Certificates

CFA LEVEL 3 CANDIDATE

2014   **CFA Level II Passed**,

SAS ADVANCED

2015   **SAS Certified Base Programmer for SAS 9**,

2016   **SAS Certified Advanced Programmer for SAS 9**,

Education

BCIT(British Columbia Institute of Technology) *Vancouver, BC*

Applied Data Analytics: Part-time, Certificate *Jun. 2016 - Jul. 2019*

- COMP 1630 - Relational Database Design and SQL.
- COMP 2256 - Visual Analytics for Business Intelligence with Tableau.
- COMP 2362 - Microsoft Excel Advanced (Grade: A 93).
- COMP 2831 - Business Analysis and Systems Design.
- COMP 3838 - Data Warehouse Foundations for Business Intelligence (Grade: A 92).
- MATH 1060 - Statistics for Data Analysis.
- MATH 3060 - Advanced Statistical Techniques for Data Analytics (Grade: A+ 96).
- COMP 3839 - Data Quality Improvement (Grade: A 92).
- COMP 3704 - Applied IT Security Fundamentals.
- COMP 2854 - Data Analytics Fundamentals (Grade: A+ 96).
- COMP 4679 - Business Intelligence with SSRS, SQL Server Reporting Services (Grade: A 93).
- COMP 4254 - Advanced Topics in Data Analytics (Grade: A 91).
- COMP 3840 - Introduction to Big Data and Hadoop.
- COMP 1288 - IT Project Management.
- COMP 4681 - Business Intelligence with SSAS, SQL Server Analysis Services (Grade: A+ 97).

NKU(Nankai University) *Tianjin, China*

B.S. in Finance *Sep. 2004 - Jul. 2008*