Eamon Zhao

https://eamonzhao.me/

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Programming Skills

Languages: SQL, Python, VBA, R, Java, JavaScript, HTML/CSS, Racket, LaTeX
Tools: Tableau, Excel, Access, Jupyter Notebook, Git

Work Experience

RBC Capital Markets   Toronto, ON
Financial Analyst, Product Control   *Sept. 2020 – Dec. 2020*
- Consolidate data from P&L and Liquidity Flag reports of various products into fiscal reports on a daily basis with Microsoft Access and other RBC internal applications
- Maintained database for global treasury services and fixed the pre-existing database issues with VBA skills
- Generated weekly and month-to-date reports of changes on daily fiscal reports using Tableau to offer multiple regional functions a better figure
- Gained practical knowledge about funding structure from the high level through the inquiries from Stakeholders
- Tackled all the requests that required immediate attention from front office while meeting the daily deadline

Deloitte LLP   Toronto, ON
Analyst, Financial Crime Analytics   *Jan. 2020 - Apr. 2020*
- Created stored procedures and user defined functions in SQL Server database, extracted and loaded data using SQL Server DTS and SSIS
- Designed visually appealing Tableau dashboards which were used to analyze online banking transactions to identify fraud activities
- Assisted the e-discovery team in the analysis of suspicious financial activities that potentially leaked the client's confidential information by collecting and analyzing data, utilizing a variety of research and analytical tools
- Generated insights about preventing insurance fraud after researching the Insurance Act across multiple jurisdictions in Canada for, one of our clients, an insurance company
- Supported multiple project teams proactively to execute against an existing project or work plan

Serva Software CO., Ltd   Shanghai, CN
Software Engineer Intern   *May. 2018 - Aug. 2018*
- Implemented the data dictionary function in the CRM system, improving data reading efficiency by 35%
- Developed functions to show market activities, customer transaction and contact information using AJAX in JSP
- Used Apache Commons File Upload to import Excel spreadsheet and Apache POI to export Excel spreadsheet
- Enhanced the level of user accounts' security using MD5 encryption and Converted all data objects in the back end to JSON String using Jackson

Projects

Operations Management | *Excel/VBA*
- Completed a login interface which allows user to log in to the program based on a password and give different clearances to different users
- Implemented easy-to-use operation functions (add, remove, modify orders and transactions) to keep track of input purchase and sales with programming in Userform and other VBA objects
- Calculated the pay for each employee, which includes finding sales revenue and wage/commission schedule suitable using Excel built-in functions, such as VLOOKUP, INDEX, MATCH, etc.
- Organized all operating data into Income Statement and achieved automation through VBA programming

Customer Analytics | *Python*(numpy, pandas, matplotlib, statsmodels, scikit-Learn)
- Built a predictive model using a random forest algorithm with scikit-learn package
- Conducted exploratory data analysis to segment customer base using Panadas
- Visualized the engagement rate through a bar chart based on Customer Lifetime Value and Months Since Policy Inception

Education

University of Waterloo   Waterloo, ON
Candidates for B.A. in Mathematical Economics   *Sept. 2017 - Present*
- Transferred from Computer Engineering