Eamon Zhao

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Programming Skills

- **Languages**: SQL, Python, Excel/VBA, Java, JavaScript, C++, LaTeX

- **Technologies**: Tableau, Git, Linux

Work Experience

- **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 its investigation and 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*
  - Created login and sign-up function of the CRM system through manipulating and querying MySQL database
  - 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
  Designed a data-oriented operations management system
  - 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 for a Car Insurance Company**
  Python*(numpy, pandas, matplotlib, statsmodels, scikit-Learn)*   *Python*
  - 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
  Candidates for B.A. in Mathematical Economics   *Sept 2017 - Present*
  - Transferred from Computer Engineering