Eamon Zhao

2ND YEAR CO-OP STUDENT

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Skills

Programming Languages	Python, MySQL, Java, JavaScript, HTML/CSS, XML, C++, LaTeX, Racket
Framworks and Libraries	jQuery, MyBatis, MVC, JSTL, Bootstrap
Environment and Tools	Excel/VBA, Tomcat, Linux, Git, JDBC, JSP, Ecplise, Intellij IDEA

Projects

Customer Analytics for a Car Insurance Company
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
- Implemented Logistic Regression Model in interpreting regression analysis using statsmodels
- Visualized the engagement rate through a bar chart based on Customer Lifetime Value and Months Since Policy Inception

Management of a Chain of Movie Rental Stores
MYSQL
- Designed and developed inventory reports to track and monitor product availability at each store
- Provided solid data to support business decisions on replenishment strategies
- Queried data from database by using advanced SQL skills, created monthly reports to monitor 1000 products' sales performance by each store location

Credit Limit Increase Campaign
MYSQL, EXCEL
- Utilized SQL and Excel to manipulate large volumes of data and extracted business insights and presented key findings to cross-functional teams
- Wrote complex SQL queries to create a daily report for post campaign monitoring; tracked the accumulative response rate in Excel.

Experience

Serva Software CO., Ltd
SOFTWARE ENGINEER INTERN
Shanghai, CN
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 modules' function 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
- Converted all data objects in the backend to JSON String using jackson

Student Representative Team in Renison ELI
VOLUNTEER
Waterloo, ON
Jul. 2017 - Sept. 2017
- Led the visual design of posters for "Stress Away" event in University of Waterloo
- Communicated with other teammates, gave clear performance expectations, discussed the action plan to accomplish the goal and built a positive teamwork environment

Education

University of Waterloo
CANDIDATES FOR BA IN MATHEMATICAL ECONOMICS
Waterloo, ON
Sept 2017 - Present
- *Transferred from Computer Engineering*