TianShuai Tristan Lu

ETL, Data Modeling, Data Quality, Data Science & Data Visualization
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Data Analyst with **6** years of experience in **data science**, **data ETL**, **data visualization** and **Web UI,** Tristan has been heavily engaged in BI & AI processing of data using **Python, SQL** and **Power BI** for banking & retail businesses. With true passion in technology and business, Vincent has been proven to be high performed and **accountable** team player in various projects.

CORE COMPETENCIES

- ✓ Banking Business Process
- ✓ Business Requirement Collection
- ✓ Dashboard & Reporting
- ✓ Client Facing
- ✓ ETL, Automation, Data Pipeline
- ✓ Data Science
- ✓ DevOps Development
- ✓ Agile Methodology

TECHNICAL BACKGROUND

- **Design & Development**: Web Application UI, Data engineering, Data ETL, Model and automation design
- **Software**: Azure SQL DB, OpenShift, Databricks, ADF, Power BI, Tableau, Jira, ServiceNow, Autosys, draw.io
- **Programming**: Python, TSQL, Stored Procedure, VBA, Unix Script, Java, Pyspark, Docker, Jenkins, Github, HTML5, JavaScript, React.js, Angular.js, AWS Elastic Beanstalk service & EC2 instance, S3 bucket, SSIS, SSAS

PROFESSIONAL EXPERIENCE

Data Analyst Co-op | RBC Royal Bank of Canada, Toronto   May 2021 – Dec 2021

- Re-designed the **Web UI**, Data updates and **ETL** process of **RBC Cost Redistribution Platform** to better allocate **RBC property/transit costs** in terms of space management, financial calculation and payment allocation
- **Corporate Real Estate Information** Database investigation and housekeeping base on source identification, naming convention, last update time and usage analyses
- Created **Workforce Management Portal** for managers maintaining employee vaccination status in FutureWork database which provides information to VPs for company's work mode decision making
- Developed & integrated an **Enterprise Application Portfolios Management Dashboard** in RBC IIPM system to provide an overall picture of IT Management and Governance for higher management's decision making
- Containerized in-house web applications with CI/CD development and process using Jenkins and Introduced **automated way** to deploy applications to **Enterprise OpenShift Cloud Platform** across environments
- Developed **Global EDI Data Exchange Framework** between SAP SAF and Vendor-Endpoints of RBC through REST API, SFTP, including format conversion from iDoc to CSV, Naming Convention and Orchestration for 30 workflows, which covers **procurement**, **employee**, **invoicing** data etc

Digital Market Analyst | Trip.com Group, China   Jun 2018 – Sep 2018

- Developed an online analytical plugin on monitoring **travel products** using Python, **increased certain product sales by 15%** through KPI analysis, such as **product clicks**, **customer viewing time**
- Designed **A/B testing** to monitor and record the **KPIs**, such as **time-on-page**, **click-through rate** and **conversion rate**
- Consolidated **website performance tagging structure**, created analytical requirement documents for travel products
- Conducted conversion latency analysis and created **latency projection model** which provided key insights to the customer value calculation and attribution.
- Created sustainable automated solution for **report scheduling** and **delivery** to ensure **cross-department reference**.
- Automated project procedure in Python and VBA and save 90% time consumed.

ACADEMIC PROJECTS

P1 – Azure Databricks for banking data analysis & Transformation	Jul 2020 – Aug 2020
P2 – AWS Daily Exchange Trading Data ETL Pipeline & Reporting using python framework	Sep 2020 – Oct 2020
P3 – AWS Image Resizing App	Apr 2020 – May 2020
P4 – BI Solution End to End Implementation for re-seller DM and Dashboard Delivery	Mar 2020 – Apr 2020
P5 – Facial Key-Point Recognition & Emotion Detection using Neutral Network Model	Nov 2019 – Dec 2019
P6 – Shopify style of Music Review Website Design and Development	Oct 2019 – Nov 2019

EDUCATION

Master of Engineering, **Electrical** & **Computer** Engineering | University of Ottawa	Sep 2020 – Jun 2022
Master of Engineering, **Software Engineering** | Western University, Toronto	Sep 2019 – Oct 2020
Bachelor, Computer Engineering | Shandong University of Finance & Economics, China	Sep 2015 – Jun 2019