TONY NGUYEN

tony.s.nguyen@hotmail.com   I 647-657-5223   I https://ca.linkedin.com/in/tonynguyen1994   I https://ktsnguyen.github.io

PROFESSIONAL EXPERIENCE

Data Scientist – Canadian Business Banking Analytics, Scotiabank, Toronto, ON   **Jan 2021 – Present**
- Overseeing a $5B+ loan portfolio by working closely with the government to build out the data infrastructure to handle the reporting and approval of the Canada Emergency Business Account loans which generates $20MM per year in revenue
- Representing Scotiabank on industry calls per week with government officials and 50+ other financial institutions to recommend changes in the CEBA program as it expands to minimize customer impact and improve data requirements
- Measuring performance of all credit card products and marketing campaigns and comparing results against competitors to formulate strategy on underperforming areas

Project/Accomplishment(s):
- Developed and deployed a model to predict customers who are not renewing their mortgages with the bank, this enabled the business to launch a $1.5MM targeted retention campaign each month and reducing customer attrition by 13%
- Worked closely with executives to develop ~14 KPIs to track trends on loan portfolio and presenting insights, challenges, and recommendations to drive business decisions on collection strategy and fraudulent activity prevention plan

Manager – Business Controls, Scotiabank, Toronto, ON   **Nov 2019 – Jan 2021**
Senior Analyst – Business Controls, Scotiabank, Toronto, ON   **Nov 2018 – Nov 2019**
- Managed 5-10 projects simultaneously relating to identification of risks and recommending controls for multiple line of businesses which can lead to savings of $10MM + in regulatory costs
- Consulted with other line of businesses to design process flow diagrams for day-to-day activities and data lineage roadmaps to be used for process improvement initiatives such as robotic process automation (RPA)
- Delivered analysis, briefing notes, presentation, and advice to management team (directors and vice presidents) regarding current state of business processes, improvements, and issue management at both a strategic and operational level

Project/Accomplishment(s):
- Improved data capabilities of a department by implementing agile methodology, working with IT to create a database to track all past/current projects, and designing 7 automated reporting tools to monitor progress of each on-going project

Management Consultant – Financial Services, OPTIMUS | SBR, Toronto, ON   **Nov 2017 – Nov 2018**
- Supervised a team of 9 consultants to develop and redesign the bank's KYC policy and risk models to assist in analyzing and implementing risk calculations for 6000 + capital market clients
- Facilitated training sessions for 40+ employees on client-side to implement new regulatory business processes and procedures
- Directed a team of data engineers to migrate towards a new data governance tool which resulted in creation of entity relationship diagrams and data lineages for tables in the data lake and warehouse to comply with new IFRS17 standard

OTHER EXPERIENCE

Lead Data Scientist – Advanced Analytics, TalentFit AI, Toronto, ON   **Mar 2020 – Jan 2021**
- Collaborated closely with leadership team to review client's feedback on the company's product to determine whether a new feature can be created, resulted in 4 new product features being implemented to the web application
- Designed and implemented a new algorithm to match job seekers with companies based on survey data for cultural fit, resulted in a 17% increase in matching accuracy and recommendation of applicants to clients
- Modeled data through creation of logical data models for 30 collections to assist database migration from MongoDB to SQL

Project/Accomplishment(s):
- Created a web-scraping tool to gather information from job boards to increase the company's data capabilities to build a job search engine on their web application, initiative led to an acquisition of 3000 + unique job postings

EDUCATION

Master of Management Analytics, Smith School of Business, Queen's University, Kingston, ON   **Jan 2019 – Jan 2020**

Bachelor of Commerce (Finance), Ted Rogers School of Management, Ryerson University, Toronto, ON   **Sep 2012 – Jun 2016**

ADDITIONAL INFORMATION

- Technical: Microsoft Office Suite, Bloomberg, PowerBI, MongoDB, Tableau, SQL, R, Python, HTML/CSS, JavaScript, VBA
- Certification : Canadian Securities Course (CSC)