

RAFAY MALIK

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EXPERIENCE

Milliman

January 2019 - April 2019

Intern, Life Mergers & Acquisitions

Chicago, IL

- Leveraged SAS to consolidate and manipulate life insurance data used for stochastic modelling to value life insurance policies using mortality assumptions
- Individually developed VBA Macro to auto-generate SAS code required to read-in raw datasets, handling special characters, data-types and dynamic variable naming
- Built numerous VBA Macros and custom Excel functions to automate repetitive tasks for validation reporting and hedging cash flow analysis
- Aided in web development of RShiny data visualization application, implementing drag and drop functionality for data bins

City of Hamilton

May 2018 - August 2018

Data/Systems Analyst

Hamilton, ON

- Individually developed two elaborate Python applications from scratch (kivy, numpy, matplotlib, pandas, Bokeh) for traffic data analysis, visualisation and reporting
- Created multi-purpose request tracking tool to streamline work requests within Traffic Department using UserForms/VBA in Excel to encourage workflow optimization

ArcelorMittal

September 2017 - December 2017

Business Analyst

Hamilton, ON

- Developed VBA script to track accuracy and precision metrics based on projected and production operation schedules, yielding key efficiency and optimization insights for strategic decision-making
- Built numerous macros bound to Access Databases to enable automation of manual data entry, improving time efficiency for daily tasks by over 95%

Health Canada

January 2017 - April 2017

Junior Business Analyst

Ottawa, ON

- Assisted in building WPF application (.NET stack/XAML,VB.NET) sfor elaborate MS Word Add-in

SKILLS

Programming Languages

XAML (WPF), SAS, VBA, Python (NumPy, pandas, matplotlib, Bokeh, sklearn), VB.NET, SQL, Scheme, R, Matlab

Tools

HTML/CSS, Microsoft Office (SharePoint, Excel, Access)

EDUCATION

University of Waterloo

September 2015 - April 2020

- Candidate for Bachelor of Mathematics, Financial Analysis & Risk Management (CFA)

President's Scholarship of Distinction

- Awarded for applying with a 95+ entrance average

CLUBS

- Financial Analysis & Risk Management Student Association (FARMSA)
- UW Actuarial Science Club

INTERESTS

- Mathematics, Poker, Fashion, Travelling