

RAFAY MALIK

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EXPERIENCE

Milliman

Intern, Life Mergers & Acquisitions

January 2019 - April 2019

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 or data bins

City of Hamilton

Data/Systems Analyst

May 2018 - August 2018

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

Business Analyst

September 2017 - December 2017

Hamilton, ON

- Built numerous macros bound to Access Databases to enable automation of manual data entry, improving time efficiency for daily tasks by over 95%
- 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

Health Canada

Junior Business Analyst

January 2017 - April 2017

Ottawa, ON

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

SKILLS

Programming Languages

XAML (WPF), VBA, SAS, 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, Fashion, Poker, Travelling