RAFAY MALIK

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EXPERIENCE

City of Hamilton　　　　　　　　　　　　　　　　May 2018 - August 2018
Data/Systems Analyst　　　　　　　　　　　　　　　　　　　*Hamilton, ON*

· Individually developed two elaborate applications from scratch using Python (kivy, numpy, matplotlib, pandas, Bokeh) yielding key insights on efficiency, effectiveness and performance of camera equipment functionality, along with traffic data (ie. counts, speed) with interactive graphs, statistical analysis and reporting capabilities
· Created multi-purpose request tracking tool to streamline work requests within Traffic Department using UserForms/Macros in Excel and encourage workflow optimization
· Built VBA Macros to help minimize manual data entry for traffic count data, automating data entry along with map drawings, streamlining work done by hand by roughly 99%

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 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%
· Designed many custom SharePoint sites by manipulating underlying HTML and CSS of each site, creating visually-pleasing dynamic webpages for various content

Health Canada　　　　　　　　　　　　　　　　January 2017 - April 2017
Junior Business Analyst　　　　　　　　　　　　　　　　　　*Ottawa, ON*

· Independently developed a content-driven multi-page website containing video training materials
· Assisted in building WPF application (.NET stack/XAML,VB.NET) using MVVM structure for elaborate department-wide survey

SKILLS

Programming Languages	XAML (WPF), 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
· Majoring in Financial Analysis & Risk Management (CFA) with Minor in Statistics
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, Travelling