JUSTIN CHARBONNEAU

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EDUCATION

Master of Electronic Business Technologies (MEBT)   2018 – PRESENT
University of Ottawa, Engineering and Management faculties
Relevant coursework: Web Services, Internet Security, Data Mining and Concept Learning, Big Data and BI

Honours Bachelor of Commerce (Management information Systems and analytics)   2014 – 2017
University of Ottawa, Telfer School of Management   (Magna Cum Laude)
Relevant coursework: Business Data Mining, Predictive Analytics, Systems analysis and Design, Linear Algebra, Applications of Statistical Methods in Business, Introduction to Computing I, Financial Management

WORK EXPERIENCE

Junior System Analyst / Programmer | Information Management and Technical Services
Department of Fisheries and Oceans Canada   DECEMBER 2016 – PRESENT

- Developed views in SQL Server Management Studio for reporting and altered them to meet new business requirements
- Created a web application using HTML 5, CSS and PHP
- Presented my application and it's numerous functions to my team and other managers
- Collaborated during production of my application using JIRA (agile software) and fixed bugs that were logged by the QA
- Produced ad-hoc reports for upper management in SQL Server Management Studio
- Increased user engagement by creating a PowerShell script that generated personalised email notifications from the information in our database compared to general outreach

  Tools: Axios Assyst, Cognos BI, SQL Server Manager 2014, MySQL, and PowerShell

During my work, I expanded my knowledge on configuration management and change management. I collaborated with the Client Portfolio Management team to develop proper solutions and meet their business needs. I gathered business requirements by interacting with clients on a weekly basis that were required for our configuration management database.

Junior Financial Analyst | Investment Planning & Analysis   APRIL 2016 – DECEMBER 2016
Department of Fisheries and Oceans Canada

- Drilled-down and rolled-up financial data from OLAP Cognos Cubes
- Analyzed and compared financial data for major capital projects received as part of the Project Completion Report exercise
- Gathered and compiled information for the Statistics Canada annual expenditure survey
- Developed strong analytical thinking by analyzing reports and identifying inconsistencies

Tools: Cognos Cubes, Advanced MS Excel Functions and Visualisations

I was the lead on the cleanup of the Callipers web portal application. I reconciled active projects with information found into Callipers to close inactive projects on behalf of clients.

SKILLS

Languages

R Programming Language (Tidyverse)

Python Programming Language

SQL Language (SQL Server and MySQL)

Front end development (HTML, CSS, JavaScript)

Back end development (PHP, some Java)

Proficient MS Office Computer Programs

Technical Skills

WEKA Data Mining Software

Time Series Analysis (Regression and more)

Classification and Clustering techniques

Experience with Tableau visualization software

Exposure to Apache Spark

Soft Skills

Fluent in English and in French

Effective Communication and Leadership

Effective working in teams

Strategic Planning and flexibility

EDUCATIONAL ACCOMPLISHMENTS

- Boosted accuracy measures by tuning the parameters of various classifiers to find the best one for my data in Machine Learning and Concept Learning Class
- Forecasted Amazon's Revenue using different time series analysis techniques
- Preprocessed incomplete, noisy and inconsistent data using R language
- Creation of basic object-oriented programs using Python programming language in the Introduction to Computing I class
- Compared different supervised learning algorithms, such as C.5 Decision Tree, Bayesian Network and Neural Network using IBM SPSS Modeller on a dataset provided by UCI M.L. Repository

Data Science 101 - Successfully completed and received certificate for the online course provided by IBM Cognitive Class

FUN FACTS

I've started building my own [personal website](#) to use as a Data Science portfolio. I really like reading about current packages being released, so I've included an RSS for the R Blog on my website.

I also enjoy going through past kernels on Kaggle.com to learn more about the different techniques people used for various data mining/machine learning problems. I'm currently working on the Kaggle Data Science and Machine Learning Survey competition and will post my R Markdown document on my website when completed.