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Adrien Dinzey

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TECHNICAL EXPERIENCE

JUNIOR SOFTWARE DEVELOPER   07/2017 – 04/2020
DPD Software Ltd.   *Winnipeg, MB*
- Worked under Senior Programmer and Technical Manager.
- Developed with HAL (Hansa Application Language, based on Pascal) to deploy and customize ERP Solutions.
- Assisted in setting up the "Lost-and-Found" system for one of the largest taxi companies in Winnipeg who employs hundreds of drivers.
- Created a new register for lost item claims in the database, connecting it to the "Drivers" table, created the form for users to input a claim, and designed reports that could be ran to query current and past claims within the given period.

COVID-19 MASK USAGE ANALYSIS   09/2021 – 01/2022
Course Project
- Queried a Google BigQuery dataset with SQL to extract COVID-19 data from over 3000 counties in the United States.
- Ran an R script to transform and aggregate the data from multiple sources into a single dataset.
- Developed an R Markdown file to run nonparametric statistical tests such as Mann-Whitney-Wilcoxon Test and Point-Biserial Analysis to determine the relationship, if any that mask usage has on COVID-19 cases.
- Concluded that as mask usage increases there is a downwards trend on COVID-19 cases and deaths.

BILLBOARD TOP 100 PREDICTIONS   09/2021 – 01/2022
Course Project
- Utilized data published by the R4DS community containing information on songs that have made the Billboard Top 100
- Uses Python to employ basic machine learning algorithms and techniques such as logistic modelling, decision trees and nearest neighbor to create a predictive model for determining if a song will make Billboard Top 100 and its position.

SKILLS

Languages	Java, Python, R, C/C++, JavaScript, SQL
Tools	MATLAB, MySQL, PostgreSQL, Apache Airflow, Apache Kafka, Pandas, Linux/Unix, Git/GitHub
Soft	Critical Thinking, Teamwork, Communication, Problem Solving, Productivity, Organization

EDUCATION & CERTIFICATIONS

Bachelor of Science Major (Computer Science)   **Expected Graduation: 05/2023**
University of Manitoba   *Winnipeg, MB*
- Coursework: Object Orientation, Advanced Algorithms and Data Structures, Software Engineering, Calculus III, Linear Algebra, Databases, Hypothesis Testing, Probability (Discrete/Continuous, Univariate/Multivariate), Statistical Inference, Linear Models, Non-Linear/Generalized Linear Models, Statistical Computing (Data Visualization, Sampling/Resampling, Optimization, Numerical Methods, Permutation Testing, Linear Regression, Logistic Regression)

Data Science Fundamentals with Python and SQL Specialization, *Offered by IBM, Issued by Coursera*   **12/2021**
IBM Data Warehouse Engineer Professional Certificate, *Offered by IBM, Issued by Coursera*   **01/2022**

VOLUNTEERING

University of Manitoba Esports, Member/President   08/2018 – Present
- Manage the day-to-day operations of the club, oversee and plan events as well as manage the creation and maintenance of teams across various Esports titles

University of Manitoba Competitive Programming, Vice-President & Co-Founder   03/2021 – Present
- Founded after noticing a lack of support for Competitive Programming at the University of Manitoba
- Help students prepare for and compete in various competitions such as Google's Coding Competitions, ICPC and Facebook Hacker Cup

University of Manitoba Women in Computer Science, Member & Website Committee   08/2019 – Present
- Advocates for and assists women identifying students to find opportunities within Computer Science related fields.

AWARDS & ACCOMPLISHMENTS

International Collegiate Programming Contest 2020-2021 - NCNA Regional: 17th, NADC Central Division: 22nd
University of Manitoba Actuarial Club Case Competition 2020 – 1st Place
Google Tech Challenge University of Manitoba 2019 – 2nd Place

HOBBIES

- Esports, Bodybuilding & Fitness, Video Games, Rock Climbing, Escape Rooms, Educational Music Production