PARSA DERAKHSHAN

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EDUCATION

Algonquin College

Advance diploma of Computer Engineering Technology, co-op, 2023   **May 2020 – May2023**

- Graduated with Honours
- GPA 3.7/4.00; Dean's Honour List (2020 – 2023)
- Relevant courses: Application Programming, Compilers, Data Structures, Web Programming, Database design, Network Engineering, Object-Oriented Programming, Numerical Computing.

TECHNICAL SKILLS

Languages:

C#, Vue js, Python (pandas, NumPy, openpyxl), R(ggplot2), Java, C/C++, JavaScript, SQL, PHP, CSS, HTML.

Technologies/Frameworks/Platforms/Patterns:

CQRS, Azure DevOps, GitBash, Bootstrap**,** Jupyter Notebook, Cisco Packet Tracer, Wireshark, VMware, MySQL, Microsoft Visual Studios, Ubuntu Linux, Excel, NetBeans, Bash, Unix Shell and R studio.

WORK EXPERIENCE

Fisheries and Oceans Canada (DFO) /
Canadian Coast Guard (CCG) – (Ottawa, Ontario)   *January 2022– Present*

Programmer Analyst

- Contributing in development, implementation and testing of pay issue portal (PIP) system by solving tickets on Azure DevOps on a daily basis.
- Utilized Vue.js extensively to develop and enhance the front-end components, providing an intuitive and user-friendly interface for end-users.
- Wrote PowerShell scripts to automate tasks and streamline processes within Azure pipelines, resulting in increased efficiency and improved deployment workflows.
- Contributing to the team in Oracle environment, mainly with Structured Query Language (SQL) and Procedural Structured Query Language (PL/SQL) programming.
- Gaining Knowledge of client/server and/or web-based application using C# and ASP.Net
- Contributing to database development and maintenance
- Ability to write technical documents
- Knowledge of IT security best practices and familiar with CQRS design pattern

❖ **Canadian Food Inspection Agency (CFIA) – Internship** (Ottawa, Ontario) *May 2021 –*
December 2021

Data Analyst

➢ Developed and tested python script in order to automate data updating every year.
➢ Developed data visualization(PowerBI) and analytics tools for use by researchers.
➢ Contributed to updating and developing the Comparative Risk Model (CRM) to help the agency make risk-informed decisions.
➢ Collected and Analyzed data in collaboration with other government agencies including StatsCan resulting in providing accurate and valuable data in addition to gaining contacts for our branch.
➢ Researched and tested the agency's algorithm and blueprint in addition to explaining the fundamentals of risk models to other colleagues.

❖ **Sqogroup.ca** *December 2019 – May 2020*

Website Developer

➢ Development of the initial design in coordination with the client requirements.
➢ Recording changes and fixes to the website by using Git to keep track of contributions and organization purposes.
➢ Maintaining SQO website and database.
➢ Generating and Revising webpages.

PROJECTS

• Developed a Telegram chat Analysis using Python using libraries such as: pandas, NumPy, seaborn and matplotlib.pyplot.
• Developed a fully functional picross(nonogram) game with Java using Swing library with a modern GUI in addition to a client/server portion to allow different players to play.
• Developed a College Management System in Java and analyzed a problem description and created Object-Oriented (OO) class specifications in addition to adding multiple data structures to make it as efficient as possible.
• Implemented a Flight database system using Data Definition Language (DDL) to add, modify and delete database objects, i.e., tables, views, indexes in addition to writing, debugging and executing SQL statements.
• Developed a sample art gallery website with a Shopping option, written in CSS, HTML and PHP.
• Developed a game of poker with betting option written in C language with focusing on proper memory management.