

PARSA DERAKHSHAN

1010 Carden Lane., Ottawa, ON, K1W 0N3. (613) 558 0763. dera0014@algonquinlive.com. [GitHub](#). [LinkedIn](#)

EDUCATION

Algonquin College

Advance diploma of Computer Engineering Technology, co-op, 2023

May 2020 – Present

- GPA 3.68/4.00; Dean's Honour List (2020 – present)
- Relevant courses: Application Programming, Compilers, Data Structures, Web Programming, Database design, Network Engineering, Object-Oriented Programming, Numerical Computing.

TECHNICAL SKILLS

Languages:

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

Technologies/Frameworks/Platforms:

Azure DevOps, Swing, GitBash, 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) – Internship (Ottawa, Ontario)

January 2022– Present

Computer Programmer

- Contributing in development, implementation and testing of various web applications such as pay issue portal (PIP) and national training tracking tool (NT3) system by solving tickets on Azure DevOps on a daily basis.
- 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

❖ Canadian Food Inspection Agency (CFIA)

– Internship (Ottawa, Ontario)

May 2021 – December 2021

Data Analyst

- Contributed to updating and developing the Comparative Risk Model (CRM) built in R language to help the agency make risk-informed decisions.
- Developed and tested python script in order to automate data updating every year.

- Utilized Microsoft Excel to categorize collected data into a detailed description for each export section in business lines.
- 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.

AVAILABILITY & SECURITY

- Available up to 4 months starting May 2022.
- Currently possessing a reliability security clearance from Government of Canada valid until 2023.

INTERESTS

- Cycling, Swimming, Anthropology and Nature.

REFERENCES

Please refer to cover letter for references (if attached).