

# ALIREZA RAHNAMA

St. John's, NL | 1 709 315 2100 | alirezarm@mun.ca

alireza-rahnama.github.io | linkedin.com/in/alireza-rahnama-8a9333186 | github.com/alireza-rahnama

## Professional Experience

**Data Scientist Intern** | Memorial University | St. John's, NL | 05/2022 – 08/2022

- Assisted in developing machine learning and deep learning software to automate drill bit grading, optimize mechanical specific energy and tripping speed of the drilling string within MS Azure cloud environment to improve safety, operational cost, and efficiency
- Demonstrated great attention to detail in extracting, manipulating, filtering, and analyzing real drilling data with a focus on predictive analytics
- Demonstrated excellent communication skills through collaborating in applied research projects between Memorial University researchers (Engineering) and industry partners (ExxonMobil and CNLOPB)

**Facility Management Supervisor** | Memorial University | St. John's, NL | 08/2021 – Present

- Demonstrated excellent teamwork and leadership spirit in assigning and supervising facility maintenance operations

**Operations Supervisor** | ServiceMaster | St. John's, NL | 08/2020 – 09/2021

- Scheduled and supervised the performance of the employees

**Housekeeping Supervisor & Duty Manager** | DoubleTree by Hilton | St. John's, NL | 07/2018 – 01/2021

- Demonstrated strong attention to detail in customer service delivery, maintaining deadlines, and keeping shifts adequately staffed

**Petroleum Engineer** | Petro Zagros Day | Tehran, Iran | 10/2016 – 10/2017

- Analyzed the economic metrics of oil reserves using reservoir simulation with CMG and MATLAB programming and demonstrated excellent analytical and problem-solving skills

## Projects

**Academic Object-Oriented Programming projects in Java** | 2022

- King Domino: a GUI game
- Mind The Gap: a GUI game
- Intensity Thresholding: a GUI that outputs the areas of interest of the input image
- Circle & Line Detector: a GUI that detects lines and circles of the input image

**Personal website** | 2022

**Academic and professional machine learning and deep learning projects** | 2022

- Used K-Neighbors Classifier to model, train, and predict the class of the output
- Analyzed linear and non-linear models such as Linear Regressor, Lasso, and Random Forest Regressor to select models and predict data output

**Personal Python games** | 2020

- Implemented Blackjack, Tic-Tac-Toe, Rock-Paper-Scissors, and Hanoi Tower in Python

## Skills

**Programming languages:**

Java, Python, JavaScript

**Web development:**

HTML5, CSS, Node.js

**Artificial Intelligence:**

Machine Learning & Deep Learning

**Unit Testing:**

JUnit test

**Data analytics & visualization:**

Power BI

**Database management:**

SQLite

**Version Control:**

Git & GitHub

**Visual Computing:**

OpenCV

## Education

**Bachelor of Science in Computer Science** |

Memorial University of Newfoundland |

St. John's, NL | 09/2020 – 12/2023 (Dean's list)

**Master of Science in Oil & Gas Engineering** |

Memorial University of Newfoundland |

St. John's, NL | 01/2018 – 10/2019 (Best presentation award)

**Bachelor of Science in Petroleum Reservoir Engineering** | Azad University | Shiraz, Iran |

09/2011 – 06/2015 (Top student)

## Certificates and Trainings

**Python and Machine Learning Workshop** | ACENET | 2022

**Complete Web Development Bootcamp** | Udemy | 2021

**Complete Python Bootcamp** | Udemy | 2019

**Reservoir simulation with CMG suite** | The European Association of Geoscientists and Engineers | 2019

**Revenue Management** | Hilton Hospitality | 2019