

Aliful Haque

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EDUCATION

Wilfrid Laurier University
Honours Bachelor of Business Administration

Waterloo, ON
Sep 2017 — Aug 2022

University of Waterloo
Honours Bachelor of Computer Science

Waterloo, ON
Sep 2017 — Aug 2022

SKILLS & INTEREST

- **Relevant Courses:** Designing Functional Programs, Algorithm Design and Data Abstraction, Object Oriented Software Development, Optimization, Graph Theory, Financial Management I & II, Organizational Behavior.
- **Languages:** C, C++, Python, Java, Swift, Bash, R, Scheme, SQL, HTML, CSS.
- **Tools:** MS Office, GIT, Flask, SQL Server, CaseWare, Jazzit, TaxPrep, QuickBooks, Sage 50.
- **Interests:** Machine Learning, iOS Development, Web Development, Data Science, Full Stack Development.

WORK EXPERIENCE

Newton Connectivity Systems
Software Developer/Business Analyst

Toronto, Ontario
Jan 2020 — Apr 2020

Kestenberg Rabinowicz & Partners LLP
Staff Accountant

Markham, Ontario
Jan 2019 — Apr 2019

- Created and analyzed financial statements for public and private clients using Jazzit.
- Worked on Notice to Reader's using CaseWare and Corporate tax returns using TaxPrep.
- Generated custom reports related to sales, expenses and profitability of companies in a team environment.
- Modelled cashflows of companies and calculated IRRs using MS Excel.

M/S MA Enterprise
Junior Sales Representative

Dhaka, Bangladesh
Jun 2018 — Aug 2018

- Gave sales presentations using MS PowerPoint to a range of prospective customers.
- Visited potential customers to evaluate needs or promote products and helped to prepare monthly sales reports.

PROJECTS

Version Control

git.io/JeaOJ

- Built a version-control system for tracking changes in source code during software development.
- The program can be used to fetch previous versions of a file with linear time traversals.
- Implementation is done with linked-list Node class using C++.

UltraInstinct

git.io/Je3Ej

- Implemented automated text mining through Twitter's tweet extraction API using Flask.
- Utilized IBM's NLP API to perform sentiment analysis on automated scraped tweets.
- Developed algorithm using Python to generate an overall score for a user from individual sentiment scores.

Caesar Cipher

git.io/JeaOw

- Designed an encryption/decryption program using C++.
- Encryption is done by shifting a letter in the text by a fixed number of positions up or down the alphabet.
- Decryption can only decrypt the encrypted text if the correct shift value is known.

Hangman

git.io/Je32F

- Developed an interactive user interface in Python that mimics the Hangman game using modularization.

Sudoku Solver

git.io/Je32l

- Implemented a backtracking algorithm to provide solutions to Sudoku puzzles using C.

EXTRACURRICULAR & LEADERSHIP EXPERIENCE

Shutter Bugs Social Welfare Club, President

Oct 2014 — Jan 2017

- Led and guided members and volunteers in on-field community events.
- Called monthly meetings, checked performance of members and managed the finances of the club.