

# Aliful Haque

www.aliful14.com | 519-781-5998 | a25haque@uwaterloo.ca

---

## EDUCATION

### University of Waterloo

*Honours Bachelor of Computer Science, Co-op*

**Waterloo, ON**

Sep 2017 — Aug 2022

### Wilfrid Laurier University

*Honours Bachelor of Business Administration, Co-op*

**Waterloo, ON**

Sep 2017 — Aug 2022

---

## SKILLS & INTEREST

- **Languages:** C, C++, C#, Python, Java, JavaScript, Swift, Bash, Unix R, Scheme, SQL, XML HTML, CSS.
- **Tools:** GIT, XCode, React, Angular, Flask, SQL Server, Jira, CaseWare, Jazzit, TaxPrep, QuickBooks.
- **Interests:** Machine Learning, App Development, Web Development, Data Science, Full Stack Development.

---

## WORK EXPERIENCE

### Newton Connectivity Systems

*Software Developer*

**Toronto, Ontario**

Jan 2020 — Apr 2020

- Developed a software in C# from scratch using technologies such as .NET Core, Open XML, REST and OAuth that consumed Newton's Product Match API to automate the retrieval of all 962 mortgage products, while highlighting the outdated products in the process, into a spreadsheet.
- Wrote PowerShell scripts to run the mortgage product retrieval software every month as a scheduled task.
- Tested, documented, and reported bugs, error, and flaws in Newton's Velocity Software in UAT/SIT environment.

### Newton Connectivity Systems

*Business Analyst*

**Toronto, Ontario**

Jan 2020 — Apr 2020

- Created a detailed business requirement document to implement a commitment letter in Link Lender Software.
- Designed a comprehensive Excel document using VBA coding that was used by new lenders to input their information.
- Written a user manual for customer service explaining the procedure of on-boarding lenders in Link Lender Software.

### Kestenberg Rabinowicz & Partners LLP

*Staff Accountant*

**Markham, Ontario**

Jan 2019 — Apr 2019

- Created financial statements using Jazzit, worked on Notice to Reader's and tax returns using CaseWare and TaxPrep.
- Modelled cashflows of companies in a team environment 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

### Recipe Finder

[git.io/JUu4G](https://git.io/JUu4G)

- Built an application that allows the user to search over 1.5 million English and Spanish recipes.
- Implementation is done with JavaScript using React framework.
- Utilized EDAMAM's Recipe Search API to fetch the data for the recipes.

### UltraInstinct

[git.io/Je3Ej](https://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.

### Stratego

[git.io/JUOcB](https://git.io/JUOcB)

- Stratego is a multiplayer game which enables up to 4 players.
- Implemented with C++ OOP paradigm using the observer, decorator and MVC design patterns.
- Integrated X11 Forwarding for graphics.

### Version Control

[git.io/JeaOJ](https://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++.