

Syed Jafer Haider

<http://itsjafer.com>
<http://github.com/itsjafer>
<http://linkedin.com/in/itsjafer>
itsjafer@gmail.com

Education

Candidate for Honours Bachelor of **Computer Science**, BCS

University of Waterloo, 2016 - 2021

Candidate for Honours Bachelor of **Business Administration**, BBA

Wilfrid Laurier University, 2016 - 2021

GPA: 3.3/4.0

Work Experience

Vida Health

Data Scientist Intern

San Francisco, California, USA

May 2019 - August 2019

- Improved performance of primary prediction pipeline by 50% through parallelization and code deduplication
- Leveraged BigQuery, Split to analyze data and assess value of gradient boosting and random forest models
- Designed and built a food recommendation pipeline in Python using an innovative hybrid implementation of content-based and collaborative filtering models to increase user outcomes and engagement

National Logistics Services

Mobile Developer Part-time Intern

Mississauga, Ontario, Canada

September 2018 - December 2018

- Redesigned mobile app in React Native for visitor management to decrease sign in times by 30%
- Implemented internal shipment/carton tracking in ASP.NET to streamline order tracking for clients

BMO Capital Markets

Software Developer Intern

Toronto, Ontario, Canada

January 2018 - April 2018

- Built C# WPF apps for tradefloor employees to replace Excel with streamlined, resource-efficient workflows
- Connected ASP.NET, Oracle SQL to develop web apps to aid employees with common financial calculations when bidding in treasury auctions
- Developed pub/sub infrastructure in C#, SQL Server to enable async bulk trading to improve efficiency

Camis Inc.

DevOps Engineer Intern

Guelph, Ontario, Canada

May 2017 - August 2017

- Created a web dashboard using jQuery, Node.js for non-technical employees to monitor clients remotely
- Launched a company-wide source control branching strategy involving migration from TFS to Git
- Facilitated the implementation of Puppet to monitor deployments to clients with weak internet connections

Skills

Languages and Frameworks: C, C++, C#, JavaScript, Python, SQL, React, Node.js, ASP.NET

Tools and Technologies: Git, TFS, MongoDB, Oracle, SQL Server, PowerShell, Django, Flask

Projects

Meal Recommendations — Content-based model that creates user profiles to recommend food

- Constructs ingredient matrix of each meal to determine user ingredient preferences using user ratings

TV Recommendations — Basic mathematical model that uses IDMB, Metacritic to recommend TV Shows

- Calculates cosine similarities by combining show features into one TF-IDF vector to recommend TV Shows

Sorcery — Object-oriented implementation of card game similar to Magic the Gathering and Hearthstone

- Leverages C++ MVC pattern and subject-observer pattern for low coupling and responsive graphical interface

web-msngr — Real-time personal messaging web application created using the MEAN tech stack

- Uses sockets, NoSQL to store and communicate between users through an Angular front end