

# Jafer Haider

3B Computer Science and Business Administration | Canadian Citizen | USA Permanent Resident

## Work Experience

**National Logistics Service**  
Mobile Developer Intern

**September 2018 - December 2018**  
Mississauga, Ontario, Canada

- Developed mobile app from scratch connecting React Native front-end to PHP RESTful API backend
- Designed UX/UI scaling for a variety of mobile devices from small iOS phones to large Android tablets
- Managed multiple projects whilst working independently and remotely to deliver finished products

**BMO Capital Markets**  
Software Developer Intern

**January 2018 - April 2018**  
Toronto, Ontario, Canada

- Liaised with fixed-income traders to effectively deliver C# WPF applications with request/response RabbitMQ backend
- Worked with publish/subscribe backend to deliver a smooth bulk trade entry screen using a FIX protocol adaptor
- Connected Angular2 frontend with a Mongo backend to accurately measure and assess risk limits on US trading desks

**Camis Inc.**  
DevOps Engineer Intern

**May 2017 - August 2017**  
Guelph, Ontario, Canada

- Created a dynamic web dashboard with Node.js and jQuery used to monitor and update build-deployment processes
- Implemented a company-wide source control branching strategy involving migration from TFS to Git
- Facilitated the implementation of Puppet to monitor client machines with restricted bandwidth limits

## Technical Experience

### Languages

C, C++, C#, JavaScript, Racket, Python,  
Java, PowerShell, SQL,  $\LaTeX$

### Frameworks

React, React Native, Angular, Express,  
jQuery, Node.js, WPF, ASP.NET, XAML, CSS

### Tools

SVN, Git, TFS, SQL Server, Oracle,  
Visual Studio, Expo, MongoDB

### Visitor Management System

Mobile app on iOS/Android tablets to manage visitors

- Developed seamless, cross-platform user interface using React Native with Expo
- Designed and scaled with both phones and tablets in mind, running equally well on all devices
- Connected PHP API to SQL Server database for back-end management of information

### Sorcery

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

- Used C++ MVC pattern to facilitate effective groupwork and delegation of tasks alongside low coupling
- Implemented Subject-observer pattern wherein the gameboard broadcasted all moves to graphical interfaces
- Effectively managed project by creating UML design beforehand and utilizing effective git branching workflows

### web-msngr

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

- Connected Node.js backend with the Express framework to create a REST API for an Angular frontend
- Used MongoDB NoSQL database to efficiently store and retrieve information about users, chats, and messages
- Implemented Socket.io to facilitate real time message retrieval and broadcasting for connected users

## Education

Honours Bachelor of **Business Administration** (BBA), Concentration in **Finance**  
Honours Bachelor of **Computer Science** (BCS), Minor in **French**

**Wilfrid Laurier University, 2021**  
**University of Waterloo, 2021**  
GPA: 3.3/4.0

## Interests

Consultant at Laurier Consulting Club; games like Spider-Man, God of War, Rocket League; shows like Game of Thrones, The Office, The Twilight Zone; soccer fan and coach; board games like The Resistance, Codenames, and Coup.