

# Jafer Haider



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

## Work Experience

### National Logistics Service Mobile Developer Intern

September 2018 - Present  
Mississauga, Ontario, Canada

- Created visitor management system using React Native and Go to streamline, track, and monitor usage of warehouses
- Implemented internal shipment/carton tracking in ASP.NET allowing clients to view status of their orders online
- Developed user-friendly app with Vue.js to allow internal users to fill out automatic billing based on complex conditions

### BMO Capital Markets Software Developer Intern

January 2018 - April 2018  
Toronto, Ontario, Canada

- Liaised with fixed-income traders to deliver C# applications that streamlined trading of corporate securities
- Leveraged pub/sub back-end and FIX protocol adapter to allow bulk trading of bonds resulting in smooth trader workflow
- Connected Angular2 front-end with MongoDB back-end to measure risks on US trading desks to prevent liabilities

### 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 clients remotely
- Implemented a company-wide source control branching strategy involving migration from TFS to Git
- Facilitated the implementation of Puppet to monitor deployment to client machines with restricted bandwidth limits

## Technical Experience

### Languages

C, C++, C#, JavaScript, Racket, Python,  
Java, PowerShell, SQL, Go, PHP

### Frameworks

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

### Tools

Linux, 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 **Computer Science** (BCS), **French** minor  
Honours Bachelor of **Business Administration** (BBA), **Finance** concentration

**University of Waterloo**, 2016 - 2021  
**Wilfrid Laurier University**, 2016 - 2021  
GPA: 3.3/4.0