# SHERRY LI

#### THIRD-YEAR CS STUDENT

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#### **SKILLS**

#### Languages:

C#, C++, JavaScript, Java, C, Python, TypeScript

#### Frameworks & Libraries:

.NET Core, .NET Framework, Flask, React, Angular (1.x, 2+)

#### **Tools & Technologies:**

Git, Bash, Azure Pipelines (CI/CD), AWS, Azure, Docker

#### **Transferrable Skills:**

Value-driven and adaptive development style acquired through Agile and DevOps work experience, proficient in written and oral technical communication

#### **EDUCATION**

## **University of Waterloo**

Bachelor of Computer Science SFPT 2017 - APR 2022

- Dean's Honours List (Fall '17, Fall '18, Winter '19) for term average of 87%+
- President's Scholarship of Distinction for admission average of 95%+

#### **EXPERIENCE**

#### **Software Engineer Intern**

MAY 2019 - AUG 2019

SPS Commerce | Performance & Collaboration Analytics Engineering

- Developed support for disposable BI servers by building **Java** plugin and .NET Core API endpoint to dynamically construct redirect URLs, permitting access to core analytics application for 13,000+ users
- Created .NET Core API endpoint that queries for customer accounts' infrastructure metadata, allowing operations against different server clusters in a multi-clustered environment with 3390+ accounts
- Built user workflow health-checks using **C#** for web application used by 13,000+ users, providing accurate measure of SLA compliance
- Created build and release pipelines using Azure Pipelines and AWS **CodeDeploy**, automating previously manual deploys

## **Software Engineer Intern**

APR 2018 - AUG 2018

SPS Commerce | Category Management Analytics Engineering

- Created health-check endpoint using C# that verifies health of a key web service, enabling monitoring when the service is under load
- Built data-load automation tool feature using **C#** and **AngularJS** to distinguish between required/optional files, allowing separate error escalations and minimizing number of support tickets opened
- Refactored secret management service of a .NET Core API to use AWS Parameter Store, streamlining sensitive data retrieval

## **Project Developer**

JAN 2019 - PRESENT

UW Blueprint (Pro Bono Software Development for Non-Profits)

- Built web application that tracks plastic waste transactions in India for Plastics for Change, implemented form input components with React and added feature to upload receipts using Flask and AWS S3
- Created reusable dynamic background container component for Blueprint's own website using **TypeScript** with **Angular**

## VOLUNTEERING

## **Webmaster & Board Member**

Ontario Quizbowl Association

- Building and maintaining website using Gatsby.js
- Supporting organization of high school academic trivia tournaments in Ontario

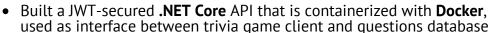
## **WWII Document Transcriber**

**ALPHA Education** 

• Transcribing historical documents relating to WWII in the Pacific so they are preserved for research and education purposes

#### **PROJECTS**

**Extriviaganza** | C#, .NET Core, EF Core, SQL, Docker, Azure (In Progress)



Loads data into database by parsing PDF files containing questions into JSON using **C#** and making bulk POST requests to above API

**Textbookify** | JavaScript, MongoDB, Express.js, Vue.js, Node.js (UofTHacks '19)



- Created web application that facilitates used textbook exchanges by matching buyers with sellers and providing market analytics
- Oueries a MongoDB database with an Express.js backend to find matches and displays results on a user dashboard built with **Vue.is**

**TextMD** | Python, Flask, Twilio, ApiMedic, Google Places API (Hack the North '18)



Provides a measure of accuracy for diagnoses using ApiMedic and recommends doctors in the patient's vicinity using Google Places API