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

SEPT 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%+

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- Transcribing historical documents relating to WWII in the Pacific so they are preserved for research and education purposes

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**

PROJECTS

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

- Built a JWT-secured **.NET Core** API that is containerized with **Docker**, used as interface between trivia game client and questions database
- 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
- Queries a **MongoDB** database with an **Express.js** backend to find matches and displays results on a user dashboard built with **Vue.js**

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

- Built SMS service with **Flask** and Twilio that makes medical diagnoses
- Provides a measure of accuracy for diagnoses using ApiMedic and recommends doctors in the patient's vicinity using Google Places API