Jiasong Liang

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Skills

- Programing Languages: Java, Python, C, C#, JavaScript, Golang, Haskell;
- Development Framework: Spring Framework, ReactJS, VueJS;
- Development Tools: Git, Github Actions, Jenkins, Octopus Deploy, Docker, K8s, AWS;
- Shell Scripting: Bash, Microsoft PowerShell;
- Database Management: MySQL, Microsoft SQL Server, Postgres SQL, MongoDB, Neo4j.

Education

Sep 2017 - Dec 2021

Candidate, Honors Bachelor of Science

University of Toronto Scarborough

- Computer Science Specialist Co-op Program, Software Engineering Stream, 4th Year;

Working Experiences

Jan 2021 - Dec 2021

Teaching Assistant

University of Toronto Scarborough

- Teaching Assistant of Course **CSCD27**: Computer and Network Security Fall 2021;
  - Hosted Weekly tutorials and practical sessions and assisted on course project improvement.;
  - *Technical Environment*: CTF, Crypto, and OS & Network Security.
- Teaching Assistant of Course **CSCC69**: Operating systems Summer 2021;
  - Hosted Weekly tutorial sessions and assisted on course project improvement and grading;
  - *Technical Environment*: C, Linux Kernel.
- Teaching Assistant of Course **CSCC09**: Programming on the Web Winter 2021;
  - Assisted the instructor in teaching and hosted a practice session weekly;
  - *Technical Environment*: JavaScript, MongoDB.

Sep 2020 - Dec 2020

SQL Client DBA, Co-op

Sun Life Financial

- Built and maintained the internal SQL Server Resource and Status Monitoring Service using C#;

- Collaborated with development teams to monitor, maintain a variety of SQL servers;
- *Technical Environment*: MSSQL, C#, Python, PowerShell.

Sep 2018 -
Apr 2019

Co-op DevOps Specialist

Fleet Complete

- Collaborated with the development team members to speed company wide projects up in CI & CD;
- Monitored the servers of multiple environments with other DevOps team members, assisting to provide a high-available services to developers and customers;
- *Technical Environment*: Jenkins, Octopus Deploy, PowerShell, IIS, C#.

Personal Projects

HTTP Server

A HTTP Server over TCP layer which can serve files from host machine using Golang.

- The Server is implemented with the standard of HTTP/1.0 and 1.1 Protocol;
- It supports features of HTTP/1.1 including persistent connection, pipelining and conditional get;
- It is capable of handling multiple clients requests concurrently.

Moment

A webpage app like instagram where users can share images with face detection integrated.

- The frontend of the app is implemented in ReactJS, the backend is in NodeJS with Express Server and it uses Redis and MongoDB for data caching and persistance;
- Face Dectection using **face-api.js**
- The app was developed in approach of agile development with a team of 3 people, I am majorly working backend server and Face Detection.

Fanlinc

A web app that provides platform for users to forge meaningful friendship with others who share the same interest.

- The frontend of the app is implemented in ReactJS and the backend is in Java with Spring framework Maven;
- The app was developed in approach of agile development with a team of 6 people.

OctoTool

A Console App to help **Octopus** projects deployment automation setting up.

- The app was developed based on C#;
- It interacts with Octopus REST API to manipulate the projects and deployment settings.