Yizhi (Fred) Cui

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Objective Backend Developer

Skills & Qualifications

- Proficient in C, C++, Java, Python, Nodejs, t-SQL
- Basic knowledge in bash scripting, MATLAB
- Deep understanding on concurrent and parallel programming concepts
- Machine learning experience with TensorFlow
- Experience on technologies like RESTful API, WebSockets and Spring
- Hands-on experience on cloud computing technologies (AWS)
- Excellent problem solving and trouble shooting skills

Experience

Application Developer, IBM Canada, Toronto, ON Jan - Present, 2019
- Employee management application on web
- Developement stack: React for front end, Node js with MongoDB at back end

Software Developer, TD Securities, Toronto, ON May - Aug, 2018
- Migrated the front-end of a blockchain application to Angular JS
- Implemented Java procedures to generate customized report from data in database
- Development stack: Angular.Js for front end, Java and Node.js for back end

Software Engineer, Yuja Corporation, Toronto, ON Sept - Dec, 2017
- Designed and implemented a web video conference room application from scratch
- Product was pushed to production by the end of the work
- Development stack: React for front end with support of WebRTC libraries, REST API in Java for back end with third-party media server(kurento) hosted on AWS

Support Software Developer, Third Eye Solutions, Toronto, ON May - Dec, 2016
- Worked on front-end UI fixes
- Used xml languages and SQL queries to pull data from database and generate financial reports, statements and notices

Education

Candidate of B.CS, University of Waterloo , Waterloo, ON, Sept. 2015 - Present
Expected Graduation Date: Aug. 2019

Relavent Projects and Courses

Computer Networks, CS456 Fall 2018
- Socket programming using Python
- Implemented various protocals (Go-Back-N, Dijkstra Routing, etc.)

Concurrent and Parallel Programming, CS343 Fall 2018
- Concurrent and parallel programming concepts (lock, semaphore, future, etc.)

Computer Vision, CS484 Fall 2018
- Introductory-level graph theory theorems and proofs