

## Yizhi (Fred) Cui

### Present Address

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Waterloo, ON  
(519) 781-6694

### Website and Email

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**Objective** Backend Developer

### Skills & Qualifications

- Languages: C, C++, Java, JavaScript, Python, SQL, MATLAB, bash
- Frameworks/Libraries: Spring, Node, TensorFlow, WebRTC, WebSocket
- Tools: Git, SVN, AWS
- Machine learning project experience
- Deep understanding on concurrent and parallel programming concepts

**Education** **Candidate of B.Cs, University of Waterloo**, Canada Sept. 2015 - Present  
**GPA: 3.6** Expected Graduation Date: Aug. 2019

**Experience** **Application Developer**, IBM Canada, Toronto, ON Jan - Present, 2019

- React.js, Node Express, MongoDB
- Employee management application on web

**Software Developer**, TD Securities, Toronto, ON May - Aug, 2018

- AngularJS, Java, MySQL
- Migrated the front-end of a blockchain application to Angular JS
- Implemented Java procedures to generate customized report from data in database

**Software Engineer**, Yuja Corporation, Toronto, ON Sept - Dec, 2017

- React, WebRTC, JavaEE, AWS(EC2)
- Designed and implemented a web video conference room application from scratch
- Capabilities: real-time video conferencing, file previewing, canvas drawing
- Product was pushed to production by the end of the work

**Support Software Developer**, Third Eye Solutions, Toronto, ON May - Dec, 2016

- J2EE, HTML, SQL
- Implemented a 2-factor authentication log-in process
- Generate financial report from database

**Relevant Projects and Courses** **Computer Networks, CS456** Fall 2018

- Socket programming using Python
- Implemented various protocols (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