

# RAFI RAHMAN

Software Developer • Toronto

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## Education

- Sept. 2014  
Nov. 2019
- **University of Toronto, St. George**  
Honours Bachelor of Science with Distinction | CGPA: 3.4 📍 Toronto, Ontario
    - Fields of Study: Computer Science; Physical and Environmental Geography; History and Philosophy of Science and Technology.
    - Dean's List, Winter 2016.

## Work Experience

- May 2018  
Aug. 2018
- **Rogers Communications**  
Developer 📍 Toronto, Ontario
    - Implemented and maintained frameworks for CI/CD pipelines for major media properties.
    - Developed Node.js MySQL interface and associated schemas tracking CI/CD results.
    - Launched Angular frontend for managing, visualizing, and querying database results.

Feb. 2013  
Jun. 2013

  - **Ottawa Catholic School Board**  
Teaching Assistant 📍 Ottawa, Ontario
    - Collaboratively managed, organized, instructed, and administered behavior management policies for multiple elementary classes of students aged 5 to 12.

## Selected Projects

- April 2019  
Present
- **Dockerized Web Server**  
Personal Project
    - Deployed and managed 20+ Docker images on Ubuntu provisioning varied remote and local functionality intended for personal use.
    - Implemented SSL certificates, authentication policies and reverse proxying in local NGINX instance and HTTPS access, domain resolution, and edge caching through Cloudflare.
    - Managed graphical dashboard visualizing various server and container metrics using Grafana and InfluxDB.
    - Configured local RESTful web service for controlling and querying various server properties.

Oct. 2017  
Nov. 2017

  - **Multiprocessed BMP Filter Server**  
University of Toronto, CSC209 – Systems Programming
    - Designed multiprocessed, multi-user HTTP server developed in C99 to perform image filtering on server and/or client-side bitmap files, with strict memory allocation guidelines.
    - Leveraged client-server communication through POSIX APIs for forks/pipes, sockets, and binary R/W

Sept. 2016  
Nov. 2016

  - **Persistent Image Tag Manager**  
University of Toronto, CSC207 – Software Design
    - Developed Java-based GUI program for searching, and organizing images found on a given filesystem.
    - Enabled users to access and modify serializable image objects stored in recursive directories, and perform queries at a later time.

✂ Skills

Java	Python	Git	Docker	REST	JavaScript	Node.js	jQuery	C99	Verilog	HTML5/CSS3
MySQL	InfluxDB	Bash	NGINX	ArcGIS						