

# Rui (Ray) Yin

4<sup>th</sup>-year Computer Science Major

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## TECHNICAL SKILLS

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Languages: Java | Golang | Python | JavaScript | TypeScript | C | C++ | SQL | Ruby | Bash

Tools: Git | JIRA | Bamboo | Docker | Bitbucket | Nomad | NSQ | Postman | VSCode | IntelliJ | Supervisor

Knowledge: RESTful | Computer Networking | Database Design | Machine Learning | OO Design | Distributed Systems

## WORK EXPERIENCE

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### Full Stack Developer, NetApp Inc – Co-op

May 2020 – Present

Product: StorageGRID

- Completed several API/UI improvement stories and fixed bugs for StorageGRID, a Distributed Storage platform support AWS S3 and Swift protocol.
- Implemented a new feature using Ruby to support secure external Prometheus connection independently with the help of senior developers and presented the feature to the team.
- Implemented the UI and the relevant modal for the new feature according to the UI mockup.
- Investigated options for adding a read-only mode to the current system, implemented the backend with Ruby and adjusted the frontend accordingly.

Technologies: Ruby on Rails | AngularJS | HTML | CSS | Python | Bash | Prometheus | Grafana | Angular

### Teaching Assistant, The University of British Columbia

Sep 2019 – Dec 2019

- Instructed students in office hours to aid with assignments, course materials of a 3<sup>rd</sup>-year course on Operating Systems including debugging assignments and illustrating concepts such as memory hierarchy and file systems.

### QA Automation Engineer, VIPRE (formerly Fusemail) – Co-op

Jan 2019 – Aug 2019

Product: VIPRE Email Security

- Developed a Golang based test automation tool to check REST call results. The tool used Docker to bring up all services and check database, NSQ message, HTML response based on the implementation.
- Oversaw the manual, load, automation and performance tests for a LDAP-based new product, created necessary mock services for test automation and presented the demo to stakeholders.

Technologies: Golang | Docker | MySQL | Bash | NSQ | Python | Bamboo | RESTful | Supervisor

## PROJECTS

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### Course Checker – HTML, Golang, RESTful, ReactJS, MongoDB (Personal)

Dec 2019 – Jan 2020

- Parsed html and notified the user by sending email once there are seats available for the specified course
- Used ReactJS, semantic UI framework to build the frontend and MongoDB to store the monitoring info

### Insight UBC – TypeScript, HTML, CSS, RESTful, Query Language Design, Testing (Academic) Sep 2018 – Dec 2018

- Implemented a RESTful web server using TypeScript as backend and Bootstrap as frontend
- Wrote a query language interpreter that performs valid query requests for the POST method
- Implemented a recursive method to achieve the same functionality as Document.getElementById()

## EDUCATION

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### University of British Columbia – Vancouver, BC, Canada

Sep 2016 – May 2021

Bachelor of Science, major in Computer Science, GPA: 4.3/4.33, expected to graduate in May 2021.

Awards: Trek Excellence Scholarship, Faculty of Science International Student Scholarship