

Rick Lan

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EDUCATION

University of Toronto

2017 - 2022

- Specializing in Software Engineering, HB.Sc. Candidate
- GPA: 3.43

SKILLS

Languages: Python, Java, C, Haskell, HTML, JavaScript, CSS, Bash, PostgreSQL, MongoDB

Frameworks/Tools: Jira, Git, Django, Flask, React, Vue, Node.js, Laravel, Docker, Nginx

EXPERIENCE

Fullstack Web Developer (Co-op)

May 2021 - December 2021

Public Services and Procurement Canada - Toronto

- Designed and implemented excel-like editable tables using Vue and Laravel to allow users to easily enter financial information
- Updated several websites to make them more user friendly and more attractive
- Refactored legacy code to make it more efficient and readable
- Took the initiative to create a Git guide and to teach web development and SQL to other coop students

IT Analyst (Co-op)

May 2019 - January 2020

TD Canada Trust - Toronto

- Worked in a fast paced environment to provide support for web applications run on Linux servers
- Triaged and resolved complex software issues and assisted with deployment by communicating effectively with other teams
- Took the initiative to update my team's documentations, create a Unix training package and provide training to new team members
- Designed and developed a Python library to automate tedious tasks, saving my team dozens of hours each week

PROJECTS

The Cafe

January - April 2021

Academic Project

- Worked in a team of 3 to design and develop The Cafe, a social media app that matches random users and lets them communicate via text, audio or video
- Created the frontend using ReactJS and the backend using Express.JS
- Facilitated peer to peer text, audio and video communication using PeerJS and room generation using Socket.io
- Link: <https://github.com/ricklan/The-Cafe>

SportsCred

September - December 2020

Academic Project

- Worked in a team of 6 to design and develop SportsCred, a Reddit-like social media app, for a client
- Assisted with system design by creating ER diagrams
- Created a fully functional backend with REST APIs in Django that made SQL queries to a PostgreSQL database using Django Models ORM
- Saved my team tens of hours and reduced dozens of bugs by writing unit and regression tests using Pytest

Extracurricular

Accessibility Note Taker

January - April 2021

- Volunteered to provide academic aid to students who require learning accommodations
- Attended weekly lectures and uploaded error free notes within 24 hours
- Students who used my notes received a mark 5-10% higher than the class average