Rick Lan

C: 647-507-1539 | E-mail: ricklan_blue@hotmail.com | Website: https://ricklan.github.io/website/

EDUCATION

University of Toronto
2017 - 2022
- Specializing in Software Engineering, HB.Sc. Candidate
- GPA: 3.43

SKILLS

Languages: Python, Java, Haskell, HTML, JavaScript, CSS
Frameworks/Tools: Jira, Git, Django, Flask, React, Vue, Node.js, Laravel, Redis, Bash, PostgreSQL, MongoDB

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
- Created Python and Shell scripts to automate time consuming work
- 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

Konnect
April - August 2021
Personal Project
- Designed and developed Konnect, a social media app that lets users text, audio chat and video chat with others in a private room.
- Created the frontend using ReactJS and the backend using Express.JS
- Facilitated peer to peer text, audio and video communication using PeerJS and room management using Socket.io
- Deployed on AWS, using NGINX as a reverse proxy, docker to containerize the frontend and backend, Redis to cache sessions, and mongoDB to store user profiles and to keep track of rooms
- Link: https://konnec.me/

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