Rick Lan

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EDUCATION

University of Toronto   2017 - 2022
- Specializing in Software Engineering, HB.Sc. Candidate
- GPA: 3.41

SKILLS

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

EXPERIENCE

Teaching Assistant (CSCC43 Introduction to Databases)   September 2021 - December 2021
University of Toronto – Scarborough
- Collaborated with other teaching assistants and professors to create a learning friendly environment for a class of 150
- Taught **Relational Algebra**, **SQL**, **ER Diagrams** and **Database Design** to a tutorial of 35
- Assisted professor with assignment evaluations and creating assessments and supplementary lecture notes

Fullstack Web Developer (Co-op)   May 2021 - December 2021
Public Services and Procurement Canada – Toronto
- Designed a financial reporting template using **Vue**, **Laravel**, and **Microsoft SQL Server** achieving a 75% reduction in submission time for clients
- Overhauled several websites by refactoring their codebase to make it more readable, modular and efficient, improving response times by 30%
- Spearheaded the initiative to update my team's internal documentation, create a **Git** guide and teach **web development** and **SQL** to other interns, accelerating training duration by 25%

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 **Unix** servers, improving uptime to 95%
- Key point of communication with multiple teams to minimize deployment efforts to under 8 hours for new features
- Led the initiative to create a holistic training and documentation package for new team members, reducing onboarding time by close to 50%
- Implemented a **Python** library to automate labour intensive tasks, increasing my team's productivity by over 50%

PROJECTS

Konnect (https://konnec.me/)   April - August 2021
Personal Project
- Launched Konnect, a social media app that lets users text, audio and video chat with others in a private room
- Designed the frontend using **React** and the backend using **ExpressJS** connected to a **MongoDB** database
- 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, and **Redis** to cache sessions