

Andrew Yue-Keung Leung

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SKILLS

- Experience with Python, Java, C, SQL, HTML, CSS, JavaScript, Bash, Node.js, Django, Git, SVN, and Linux
- Excellent communication, teamwork, leadership, and organizational skills developed while working in various development team environments during co-op work experiences as well as during school and side projects

EDUCATION

University of Toronto

Sep 2016 – Present

Honours Bachelor of Science (CGPA: 3.84/4.0)

Specialist in Computer Science Software Engineering Co-op Program, 4th year

- Received a \$1,000 entrance scholarship
- Named to the Dean's List in 1st, 2nd, and 3rd year

EXPERIENCE

Teaching Assistant | University of Toronto

May 2019 – Dec 2019

- Led tutorials, hosted office hours, invigilated exams, and graded assignments and exams for two offerings of the third-year level course CSCC43: Introduction to Databases
 - Topics taught includes functional dependencies, normalization, entity-relationship diagrams, relational algebra, SQL, and embedded SQL

Programmer Analyst | CI Investments

Jan 2019 – Apr 2019

- Worked within a Scrum development team as a back-end developer
 - Used Django REST Framework to develop Web APIs following REST design principles
 - Worked with the Team Lead to create a proof of concept Django web application

Application Programmer | OPS Ministry of Education

Jan 2018 – Apr 2018

- Performed various Quality Assurance duties during the development of a web application
 - Followed a functional design document to help in the designing of test cases
 - Used HP Quality Center to submit and track defects through the defect lifecycle
 - Used HP Unified Functional Testing to develop scripts for automated testing
- Assisted the Senior Database Administrator in performing database account maintenance activities, such as creating, unlocking, and altering accounts

PROJECTS

Client Data Management System | Java & SQL

Sep 2018 – Nov 2018

- Followed Scrum methodologies while working in a development team with 4 other students
- Continuous integration using Travis CI and dependency management using Maven
- Features includes the ability to manage user accounts, download and upload data in Excel format, input and execute SQL queries to generate a report that can be viewed in the application, save these queries for future use by other users, and export query results as a .csv file – all done with the assistance of a local MySQL database

Discord Bot | Python & SQL

Aug 2017 – Present

- Utilized Git for version control while working in a team comprised of 4 other friends
- Features includes the ability to stream music from YouTube videos into voice channels, play custom minigames with users, create events and polls, and serve images from certain websites using their APIs
 - Bot is hosted on a Raspberry Pi 3 and user's game data is stored using SQLite