

Andrew Yue-Keung Leung

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SKILLS

Languages: Python, Java, C, SQL, HTML, CSS, JavaScript, Bash, Go

Technologies: Node.js, Django, MySQL, PostgreSQL, MongoDB

Softwares: Linux, Git, SVN, JIRA, Microsoft Azure, Heroku

EDUCATION

University of Toronto

Sep 2016 – June 2021

Honours Bachelor of Science (CGPA: 3.81/4.0)

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

TimetaBros | Go, React, and MongoDB

Feb 2020 – Apr 2020

- Developed the backend of a social networking web application in a team with 2 other students
- Backend was deployed with Heroku and frontend was deployed with Microsoft Azure
- Features include the ability to connect with other users through groups and recommendations, customize a personal schedule with events and courses, and compare schedules with other users

Client Data Management System | Java & MySQL

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 include the ability to manage user accounts, download and upload data in Excel format, execute SQL queries to generate reports that can be viewed in the application, save these queries for future use by other users, and export query results as a .csv file

Discord Bot | Python & SQLite

Aug 2017 – Present

- Utilized Git for version control while working in a team comprised of 4 other friends
- Features include 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