

Work Experience

Programmer Analyst @ University of British Columbia

02/2023 to current

Library Web Applications - **PHP, Vue.js, SQL, JavaScript, Python**

- In charge of continuous support for UBC Library's web infrastructure handling payments, web resources and patron information.
- Implemented an integration of a new payment vendor for an online payment application: paynow.library.ubc.ca
- Contributed to a digital transfer storage project, an internal web tool for UBC employees to move, archive and destroy data while keeping metadata records.
- Bug fixes for supported web applications including resource access, payment and other library services

Software Engineer Intern @ Electronic Arts

01/2022 to 08/2022

Leaderboards Script-Gen Data - **Python, SQL, C++**

- Part of a team that built a new leaderboard feature inside **NHL 23**, allowing weekly competition between users based on in-game statistics.
- Contributed in implementing the comparison logic for the leaderboard feature
- Created a customizable **Python** script that executes **SQL** queries by using sample data from real users in previous game, allowing developers to test leaderboard features with realistic data
- Responsible for end-to-end feature testing from database, server to in-game user interface, including post-season rewards and season summary statistics.

NHL HUT UI, Server & Tools - **JavaScript, C++, Lua, Nav**

- Worked on tickets including UI bugs relating to lineup changes, auction menu and in-game desynchronization

SDK Support Engineer @ Alianza

01/2021 to 08/2021

iOS Sample Application - **Xcode, Swift**

- Updated the current customer sample application using the new version of **Apple's CallKit API**, and fixed bugs relating to the application's usage of the old API
- Implemented classes to keep track of and simplify Ongoing/Outgoing/Incoming calls

Docker Windows Autotests - **Python, Docker, Jenkins**

- Transformed the numerous tests into a parallel test using a **Docker** container
- Configured **Jenkins** server for automated Docker container set up and testing
- Tests deployed through Jenkins, speeding up the windows autotests by 10x

Junior Software Developer @ Transoft Solutions

01/2020 to 08/2020

AQCESSRAMP Help System - **C++, Visual Studio, AutoCAD**

- Created a help menu system in AQCESSRAMP; A **CAD-based** application for curb ramp designs
- Implemented help codes and linked proper website URLs depending on the user interface and implemented an offline help document

TORUS 6 GoogleTest - **C++, GoogleTest**

- Further improved on testing for TORUS 6; A CAD-based application for generating roundabouts
- Made it possible for 120 test cases to be tested automatically between versions, raising test coverage to 80% and pinpointed corner cases causing issues

Education

Bachelors of Computer Science - Software Systems | Simon Fraser University

09/2017 to 12/2022