

Shunqi Lu(Liam)

4B Computer Science | 20547736
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EDUCATION

UNIVERSITY OF WATERLOO
CANDIDATE FOR BACHLOR OF
COMPUTER SCIENCE, CO-OP
Sept, 2014 to Present
RELEVANT COURSES

|Object-Oriented Software Development
|Algorithm Design and Data Abstraction
|Functional Programming
|Data Structures and Data Management
|Operating Systems
|Distributed System
|Computer Networks
|User Interfaces

SKILLS

PROGRAMMING

Over Two years:

Java • C++

Over One year:

MySQL • React Native • \LaTeX
Bash • MIPS • Javascript • C • HTML

Familiar With:

ARCore • Kotlin • Node • Gradle
ViroCore • Hiberbate • Maven •
VisualForce

PLATFORMS

Android Studio • Linux • Git
Jboss • Jira • Jenkins
Docker • F5 • Salesforce

VOLUNTEER

ROGERS TV

CAMERAMAN AND SWITCHER
Dec 2012 - Mar 2013 | Kitchener, ON
|Recorded On-Air OHL games in a
fast-paced environment
|Demonstrated exceptional organizational
skills and ability to correctly follow
instructions

ST MARY HIGH SCHOOL

TEACHING ASSISTANT
Feb 2013 - June 2013 | Kitchener, ON
|Demonstrated patience and ability to
explain technical concepts to others

More projects and detail on my website

WORK EXPERIENCE

IBM | MOBILE APPLICATION DEVELOPER

May 2018 – Sep 2018 | Toronto, ON

Spruce Meadows (Native Android)

- Developed "My Story" feature, allowing user to explore images, take images, apply filter on images and share images
- Built the AR map feature involving image recognition and 3D rendering in an AR session
- Developed "On The Grounds" feature using Geofencing, Google Location Service, Contentful, native WebView and Retrofit

Raptors Scouts (React Native)

- Implemented the "Favourite" page, allowing user to store their favoured items
- Refactored entire code base to create a native feeling UI on Android devices

OPENTEXT | MOBILE APPLICATION DEVELOPER

Sep 2017 – Dec 2017 | Waterloo, ON

- Developed Sessions Page in OpenTextCore Android app that allows users to view and modify existing sessions
- Implemented Public Link Share Page in OpenTextCore app, allowing user to share files with external users through universal links
- Advanced in Retrofit, OkHttp, Java Concurrency, Gradle, and SQLite libraries

LOYALTYONE | SOFTWARE DEVELOPER

Jan 2017 – May 2017 | Toronto, ON

- Developed a java batch process for AirMiles which fetches data from AMMIS database and calls Moneris API to complete Pre-authorized transactions
- Initiated an investigation of an time out issue in distributed systems, which has been present since three years ago
- Built loggers using Log4j to monitor Stored Procedure execution time for Enterprise Transaction Services(ETS), significantly improved its transparency

SHAVER INDUSTRIES | SOFTWARE DEVELOPER

May 2016 – Sep 2016 | Kitchener, ON

- Wrote Apex code to automate the online order confirming process using SOAP API and REST API
- Wrote Apex scripts that allow data to be shared among different apps in Salesforce, greatly reducing time by eliminating human input of duplicated information

PROJECTS

AR MAP FOR SPRUCE MEADOWS | SEP 2018

- An AR feature that allows user to explore the user current location and useful landmarks in a 3D space
- Familiaried with PBR, AR Node, Anchor, and Image Recognition

SHOPIFY CHALLENGE | JAN 2018

- An Android project in Java allows the shop owner to browse the current product list and inventory details
- Advanced in Retrofit, Java Concurrency library, and Caching

RPC | JUL 2017

- A simplified Remote Procedure Call system in C++ which includes a client, a sever and a binder
- Concepts Used: Socket Programming, Cacheing, Two Phase Commit