

Shunqi Lu(Liam)

3B Computer Science | 20547736
 Waterloo, Ontario, Canada
 s75lu@edu.uwaterloo.ca | 226-808-5388

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

SKILLS

PROGRAMMING

Over Two years:

C++ • C • Visual Basic

Over One year:

Java EE • MySQL • VisualForce • \LaTeX •
 Bash • MIPS • Racket

Familiar With:

Hibernate • Maven • HTML • CSS •

JavaScript • SOAP • REST

PLATFORMS

Linux • Jboss • Salesforce
 F5 • Android • Git • Jira

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

WORK EXPERIENCE

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
- Advanced Linux, Jboss and F5 skills through supporting ETS Jboss server migration

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
- Optimized Quting Calculator in VBA, Apex and VisualForce, incredibly reduced manual work to one tenth of what previously required
- Modified content and layout of Shaver's website and built online web forms using HTML, PHP, CSS and JavaScript

UNIVERSITY OF WATERLOO | AUDIO AND VISUAL TECHNICIAN

May 2015 – Sep 2015 | Waterloo, ON

- Assembled circuit boards including soldering and wire manipulation
- Demonstrated excellent teamwork and communication skills

UNIVERSITY OF WATERLOO | RESEARCH ASSISTANT

Sep 2013 – Feb 2014 | Waterloo, ON

- Learned ArcGIS knowledge in one week and successfully applied it for a mapping project
- Advanced Python skills through writing scripts to collect and analyze large datasets

PROJECTS

OS161 | DEC 2016

- A simplified Operating System
- Concepts Used: Synchronization, Socket Programming, Memory Management

COMPILER | APR 2016

- A compiler that generate C-like language into MIPS codes
- Concepts Used: LR Parsing, Semantic analysis, Code generation

MONOPOLY | NOV 2015

- A Monopoly-like game based on UW campus that involves 2000 lines of codes and 20 classes
- Concepts Used: Encapsulation, Polymorphism, Singleton Pattern, Moudle-View-Controller Pattern, Factory Pattern