Jason (Jiacheng) Shi

Computer Science
Academic Level: 2B
University of Waterloo ID#: 20482471
(519) 781-5813
j43shi@uwaterloo.ca

Current Address
58 Amos Avenue
Waterloo, ON N2L 5G3

Permanent Address
16 Culnan Avenue
Toronto, ON M8Z 5A8

SKILLS SUMMARY
- Comprehensive **C++**, **C** programming skills at university and work
- Extensive development background under **Embedded Systems**
- Strong knowledge of back-end web programming with **LAMP** stack
- Fundamental grasp of scripting language as **Python**, **Perl** and statistical computing language **R**
- Experienced with **revision control** and collaborations in engineering team

WORK EXPERIENCE

Software Developer, Arcturus Networks Inc., Toronto, January 2014 – April 2014
- Developed **distributed FreePBX web interface** for embedded systems
- Ported **LAMP stack** and Asterisk VoIP server with all dependencies on embedded module with **cross-compilation**
- Worked as team player, experienced in **revision control**

Programmer Analyst, Mount Sinai Hospital, Toronto, May 2013 – August 2013
- Solely developed the pipeline from raw genomic data to image and report output, using **Shell Scripts**, **Python** and **R**
- Participated in poster competition, demonstrated great communication skills

EDUCATION:
Candidate for Bachelor of Computer Science, Co-op Program, University of Waterloo, Waterloo, ON (September 2012-present)

Relevant Assignment(s):

CC3K, Object-Oriented Software Development, November 2013 – December 2013
- Implemented the role-playing game in C++ under Linux terminal
- Extended knowledge in Object-Oriented Programming such as **Inheritance** and **Polymorphism**
- Further experience with **GDB debugging** and testing for programs

Simon Game, Elementary Algorithms Design and Data Abstraction, January 2013 - February 2013
- Created simple Simon Game with computer players
- Great understanding of C programming and design principles

Relevant Courses: Foundations of Sequential Programs, Data Structure and Data Management, Computer Organization and Design, Object-Oriented Software Development, Logic and Computation, Elementary Algorithm Design & Data Abstraction, Designing Functional Programs

VOLUNTEER EXPERIENCE:
Volunteer Event Coordinator, Suon College, North York, Ontario, December 2011
- Demonstrated leadership skills through organizing New Year's Eve celebration
- Collaborated with various groups to arrange related events with limited resource

AWARDS
- President's Scholarship, University of Waterloo, June 2012
- Ontario Scholar, June 2012