ZIWEI ZHAO

3A Computer Science | z86zhao@uwaterloo.ca | (226)-606-5397 | www.ziweizhao.com

QUALIFICATION HIGHLIGHTS

Languages: Proficient in C/C++, Python, Ruby, Shell scripting; familiar with Java, JavaScript, Assembly
Frameworks/Tools: Ruby on Rails, Jenkins, Git, Django, MySQL, Selenium WebDriver, GDB, Cisco IOS, Vim
Operating Systems: Mac OS, Linux (Ubuntu), Windows

WORK EXPERIENCE

Flipp, Software Developer, Toronto, ON   *Sept. – Dec. 2016*
- Built and improved flyer indexing infrastructure using Ruby on Rails
- Developed backend scripts for flyer scraping and indexing with Ruby, Selenium WebDriver and MySQL
- Reduced manual analysis by using metadata to eliminate duplicate data
- Increased the daily workflow efficiency by implementing features and tools

Cisco Systems, Software Engineering, Ottawa, ON   *Jan. – Apr. 2016*
- Developed Integrated Commit Environment (ICE) for continuous integration in Python and Shell Scripting
- Improved productivity of ICE users by implementing parameter auto-filling
- Ensured server accuracy by adding a data visualization and verification process
- Built XML configuration files for each team component and made ICE user-friendly to developers

Bell Canada, Network Analyst (Technology Development), Toronto, ON   *Apr. – Aug. 2015*
- Developed and verified IP/MPLS, virtualization services and network infrastructure architecture
- Worked on network devices used in industry: Cisco/Juniper routers, switches, Ixia Modules etc.
- Supported IP Technology strategy analysis with two teams
- Performed data analysis and conducted well-organized laboratory experiments

PROJECTS

Smart Calendar (Python, Django)   *Oct. 2016*
- Django Web app that arranges daily events intelligently based on user's preference

ChamberCrawler3000(C++)   *Apr. 2016*
- Rouge-like command line game. Practice of Object Oriented programming and MVC design pattern.

Sudoku Solver (C++)   *Jul. 2015*
- Designed and optimized a Sudoku Solver using Depth First Search (DFS)

Scribbler Robot (Python)   *Nov. 2014*
- Implemented voice recognition with Python to avoid physical obstacles and follow instructions

ShiYan High School Robot Club (C)   *Sept. 2011 – Apr. 2012*
- Programmed robot to finish tasks; Built and organized main chassis, electrical and mechanical components

AWARDS HIGHLIGHTS

Euclid Mathematics Contest, Canada wide (Top 10%)   *Apr. 2014*
Canadian Open Mathematics Challenge, Canada wide (Top 5%)   *Nov. 2013*
Entrance Scholarship, University of Waterloo ($10,000, awarded to top Engineering students)   *Sept. 2014*
Full scholarship for "Liaoning Scholars", Southpointe Academy, Delta, BC (Over $45,000)   *Sept. 2012*

EXTRACURRICULAR ACTIVITIES

Women in Computer Science, Event Coordinator, University of Waterloo   *Sept. 2015 – Dec. 2015*
- Coordinated events which happens every week and updated event page on WiCS website

SPA Math Club, Head leader, Southpointe Academy, Delta, BC   *Feb. 2013 – Jun. 2013*
- Tutored members' high-level math and helped them prepare for math contests

EDUCATION

Candidate for Bachelor of Computer Science, University of Waterloo   *Expected Apr. 2019*
Coursers related: Operating System, Algorithms, Object-Oriented Software Development, Data Structure and Data Management, Numerical Computation