

ZIWEI ZHAO

2B Computer Science | z86zhao@uwaterloo.ca | (226)-606-5397 | www.ziweizhao.com

QUALIFICATION HIGHLIGHTS

Languages: Proficient in C/C++, Python, HTML/CSS, Shell scripting; familiar with Java, JavaScript, Ruby

Frameworks/Tools: Django, Jenkins, Git, SVN, MySQL, Jekyll, VMware, Cisco IOS, Latex, Eclipse, Vim, Xcode

Operating Systems: Mac OS, Linux (Ubuntu), Windows

Concepts: Agile software development, Continuous Integration, Object-Oriented Design, Test Automation

WORK EXPERIENCE

Cisco Systems, Software Engineering, Ottawa, ON

Jan. - Apr. 2016

- Developed ICE (Integrated Commit Environment) for continuous building, integration and testing in Python and Shell Scripting
- Implemented parameter auto-filling and drastically improved productivity of script (ICE) users
- Data visualization and verification for server accuracy
- Built XML configuration files for each team component and made ICE user-friendly to developers
- Maintained report snapshots on the server in JavaScript and HTML

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

Changhong Transformer Co., IT Assistant, Ltd, Tianshui, Gansu, China

Jul. - Aug. 2014

- Built and maintained company's website with HTML/CSS and JavaScript
- Improved the security of sensitive documents by building firewalls.

PROJECTS

Sudoku Solver

Jul. 2015

- Designed and optimized a Sudoku Solver using Depth First Search (DFS) in C++

Scribbler Robot

Nov. 2014

- Implemented voice recognition with Python to avoid physical obstacles and follow instructions

Robot Club, Liaoning Province Shiyen High School, Shenyang, China

Sept. 2011 - Apr. 2012

- Programmed robots in C and controlled them to complete challenges
- 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, based on performance of outstanding average and an interview by school's headmaster)

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

Chinese Culture Club, Head leader, Southpointe Academy, Delta, BC

Oct. 2012 - Apr. 2013

- Shared knowledge about Mandarin and Chinese culture with elementary students

EDUCATION

Candidate for Bachelor of Computer Science, University of Waterloo

Expected Apr. 2019

- Coursers related: Introduction to Data Abstraction and Implementation, Object-Oriented Software Development, Data Structure and Data Management