ZIWEI ZHAO

3B Computer Science | ziweizhao1122@gmail.com | (226)-606-5397 | www.ziweizhao.com

QUALIFICATION HIGHLIGHTS

Languages: Proficient in C/C++, Python, Ruby, Shell scripting; familiar with Java, JavaScript, PHP
Frameworks/Tools: MySQL, Ruby on Rails, Django, JQuery, Jenkins, Git, Docker, Selenium, Cisco IOS, Vim
Concepts: Agile/Scrum software development, Object-Orientated Design, Continuous Integration

WORK EXPERIENCE

Zynga, Revenue Operation team, Software Engineering   *May – Aug. 2017*
- Developed backend scripts for revenue data collection and manipulation in **Python, MySQL and PHP**
- Replaced manual data collection by implementing a report API and automatic data processing
- Designed and implemented a new web interface that simplified daily work routine in **JavaScript and PHP**
- Collected and processed chargeback revenue data and constructed a daily email report

Flipp, Content team, Software Developer   *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 50% on average by using metadata to eliminate duplicate data
- Increased the daily workflow efficiency by implementing features and tools

Cisco Systems, Platform team, Software Engineering   *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, Technology Development department, Network Analyst   *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.
- Performed data analysis and conducted well-organized laboratory experiments

PROJECTS

Whales (JavaScript)   *Jul. 2017*
- Facebook instant game inspired by Worms

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.

EXTRACURRICULAR ACTIVITIES

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

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, Artificial Intelligence