Yanxi Fu

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EDUCATION

University of Waterloo   **Waterloo, Canada**
Bachelor of Computer Science, Honors   *Sep.2014 - Dec. 2019(Expected)*

EXPERIENCE

Scotiabank   **Toronto, Canada**
Software Developer Intern   *May 2016 - Sep. 2016*
- Developed a configuration management tool for the core risk monitoring system using J2EE, AngularJS and MySQL, integrated configuration change control, auditing and testing
- Improved maintainability of the system and reduced deployment time for new installations by 80 percent
- Streamlined risk assessment process from collecting information at scale to deliver daily analysis reports
- Coordinated effectively with business team during development and demonstrated product at meetings

ROCaircraft   **Shanghai, China**
Web Developer Intern   *Aug. 2015 - Dec. 2015*
- Built interface for customer-facing e-commerce site using AJAX and optimized load-time efficiency
- Aided server-side development, implemented login & session management and product display pages
- Conducted ongoing maintenance and trouble-shooting, fixed issues in a timely manner
- Automated email marketing by utilizing cloud-based SMTP services, improved CTR rate by 20 percent

PROJECTS

Graphics Pipeline, C++/OpenGL   *Jan. 2019*
- Low-level implementation of graphics pipeline to produce 3D images from wireframe object

Machine Learning Classifier, Python   *Nov. 2018*
- Supervised-learning program to classify data, adjusted with cross-validation to maximize precision level

Android Photo Album, Java   *Oct. 2018*
- Responsive photo browsing app that leveraged caching for smooth user experience

Network Protocol, Python   *Aug. 2018*
- Implementation of packet exchange protocol that algorithmically configures routing table

Padding Oracle, Python   *May 2018*
- Analyzed security vulnerability of a sample web application and performed padding oracle attack for study

Concurrent Vending Machine, C++   *Nov 2017*
- Simulation of concurrent activities at a vending machine with advanced synchronizing techniques

Kernel, C   *Sep. 2017*
- Implementation of a kernel's primary functionality including system calls, synchronization and memory management

KEY SKILLS

- Programming Language: Python, C++, Java, C, JavaScript, Bash, Matlab, PHP, Curl, Lua
- Web Technology: HTML5/CSS, Bootstrap, AngularJS, Redux, WebLogic
- Database: MySQL, PostgreSQL, MongoDB
- Tool: Git, AWS, OpenGL, Tableau