James Qiu

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HIGHLIGHTS OF QUALIFICATIONS

- Outstanding banking Co-op experiences and high academic performance
- Experiences of implementing multiple front-end web projects
- Passion for financial software application development with strong programming skills
- Successfully delivered 20+ software projects and engaged all phases of the SDLC
- Hands on drawing UML, flow chart, class diagram, state machine diagram
- Highly motivated and excellent communication skills (written and oral)
- Troubleshooting 60% of the top level issues to guarantee milestone

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, XML, .NET, C#, Java, C, C++, Python, VB, PHP, PL-SQL, UNIX Script, UML
Tools: Visual Studio, MySQL, Eclipse, Intellij, Git, Jenkins, Android Studio, LeanFT, Selenium, Jira
Platform: Windows, Linux, Android, PCF

PROFESSIONAL EXPERIENCE

Quality Engineer Coop

RBC, Toronto   Sep 2018 – Dec 2018
- Converted automation scripts from selenium based Python to LeanFT based C#
- Refined existing C# core API code by replacing overloading methods with generic type, redesigning exception handling, and extracting duplicate code into methods. Saved 40% lines of code
- Prototyped solutions for multiple browsers, DOM node management
- Helped to facilitate the RBC Expo and presented solutions to guests

Derivative Software Developer Coop

Manulife, Toronto   Jan 2018 – Apr 2018
- Implemented and tested new derivative trade flows by using Java, SQL, LeanFT, SikuliX, and Cucumber
- Refined the automation core framework APIs and optimized the code performance. Saved average test case running time 40% and cleaned 3k lines of code
- Maintained 13 application repositories' code by using Git and configured 10 daily regression tasks on Jenkins. Found 12 regression failed cases' root cause and provided solutions
- Created confluence guidance page including newcomer onboard checklist, technology introductions, QA
- Used JIRA to manage scrum projects by doing the effort estimation, task status update and task split

Embedded Software Developer

Nokia, China   Jan 2010 – Oct 2015

- Achieved consecutive three outstanding performance evaluation rating
- Delivered 20 C++ software features by using Scrum. Bug rate is 40% lower than the average
- Designed multi-core DSP deployment. Optimized the memory usage from cache to RAM and saved CPU load 30%
- Monitored update request and re-documenting the catalog of design document by decoupling subsystems
- Announced world's first cell edge solution on Mobile World Congress 2013. Translated customer needs into technical design. Led a team of 10 members to develop and established end to end cross platform environment
- Solved 13 out of 20 top level issues for China Mobile bidding test. Increased case pass rate from 69% to 94%
- Published one patent: "Fast Algorithm for Physical Resource Block Channel Aware", CN201010280126.0

EDUCATION

Advanced Diploma of **Software Engineering Technology Co-op Diploma** (GPA 4.4/4.5, **A+**)   Jan 2017 – Present

Centennial College, Toronto, ON

- Excelled in rapid website development to a business consultant company and received recognition. Collected requirements, defined the project scope. Implemented HTML/CSS/JavaScript and conducted testing
- Used Create JS to build a 2D space shooting game. Designed 3 levels with BOSS and up to 6 different bullet types. Supported features such as bullet upgrade, cheat code, and texture management
- Built one library website through ASP.NET controls and data binding. Decompiled .NET project into C# source code to understand its framework mechanism
- Designed one web application named Smart Neighbor as system analyst. Defined subsystems, UML work flows, use cases, domain class diagrams, message flows, and state machine diagrams

Master of **Electromagnetic Field and Microwave Technology** (GPA 3.8/4, **A+**)   Sep 2005 – Apr 2008

Beijing University of Posts and Telecommunications, Beijing, China

OTHER EXPERIENCE

Peer Tutor

Centennial College, Toronto   Sep 2017 – Present

- Guided students in all software engineering relevant courses. Used probing questions to accurately targeting tutee's needs and bridged the gap by understandable examples. Received praise from peers