

Brian Jung Myeng Lee
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OBJECTIVE

To engage in an environment that *a)* promotes and encourages curiosity; *b)* fosters technical competence; *c)* emphasizes on continuous self improvement; and *d)* most of all, leads open and unbiased technical discussions.

EDUCATION

Honors Bachelor of Mathematics (Computer Science)
University of Waterloo, Waterloo, Ontario, Canada, 2001 - 2006

TECHNICAL SKILLS

Developer, OS Platform Support, Research In Motion, LTD.

June 2009 - present

- Analyzed and patched bugs in code base including bootrom, firmware loader, OS initialization code and drivers in C and ARM assembly
- Debugged Marvell's microprocessor prototypes; identified a hardware bug with Marvell engineers and verified fixes in the following stepping of the silicon
- Identified and filed a bug report against RealView Compiler regarding binary generation when "pld" instructions are used in inline assembly using disassembly dumps; initially analyzed and verified floating point support in internal code base as well as third party graphics libraries
- Produced and tested builds with BlackBerry OS applications for platform devices by assisting in integrating ARMv7 MMU support; made the first phone call using a recent project device on a 2G network before the radio team. The same device was later used to demonstrate a phone call on a 3G network in China.
- Preferred proactive responses to users' requests and face-to-face communications over e-mail; located and provided prototype boards in shortage in person for members from other teams; resolved test firmware issues with manufacturing and radio teams in person
- Expanded internal documentation on Marvell Extreme Debugger scripting to minimize time consuming debugging cycle; documented instructions to build BlackBerry OS for prototype devices with little or no support from respective teams

Developer, Bluetooth, OS Protocols, Research In Motion, LTD.

October 2006 - June 2009

- Maintained and integrated third party Bluetooth stack in BlackBerry OS in C across multiple layers such as HCI, L2CAP, HFP, HSP, AVDTP, A2DP, AVRDP, AVCTP, RFCOMM and DUN while working with accessory vendors and career testing labs
- Helped CSR engineers to identify a hardware bug in CSR BlueCore chips by taking advantages of micro-kernel design over the span of one year
- Improved DUN throughput by a factor of two by applying micro-optimizations in C; performance was verified in a RF test chamber. RIM finally met a career's acceptance requirement for the first time since Bluetooth was available on BlackBerry.
- Fostered close relationships with Java Bluetooth application team by attending bug report review meetings, sharing recent bug fixes and helping them debug Java application code when necessary
- Expanded internal documentation regarding subtle implementation details in the system, execution flow and general notes to help new hires. This document is in continuous use by the current Bluetooth team.