

JOHNSON CHENG

206-529-4846 | johnson.cheng@utoronto.ca | 10832 Forbes Creek Dr. Apt. U-306, Kirkland, WA, 98033

PROFESSIONAL EXPERIENCE

Microsoft Corporation, Redmond, Washington, USA

Software Design Engineer 2, Windows Kernel Oct 2005 - Present

- Owner of ACPI driver, internal AML interpreter, and the ASL compiler
- Developer for power management components in Windows Vista, 2008, and Win7
- ACPI specification and debugging expert on internal and external triages
- Architect of the new server power metering architecture in Windows 7
- Creator and maintainer of the cross-team knowledge sharing wiki
- Contributor and collaborator of the ACPI 4.0 standard proposal
- Speaker and technical expert in industry conferences such as WinHEC and Plugfest
- New employee mentor, college intern interviewer

Platform Computing Incorporated, Toronto, Ontario, Canada

Software Developer, LSF development team Aug 2003 - Sept 2005

- Main developer for Platform License Scheduler, a distributed software used by EDA companies to adaptively manage software licenses in clusters
- Developer for the Load Sharing Facility (LSF) software, the flagship product that virtualizes and manages heterogeneous server clusters
- Project coordinator for collaboration project with partner Macrovision
- Trainer for the technical support team and test team
- Primary customer contact through beta testing

IBM Software Lab, Toronto, Ontario, Canada

Summer intern, AS/400 Application Development Tools July 2002 - Sept 2002

- Developer for WebSphere AS/400 development tools in Eclipse
- Researcher and tutorial creator for a legacy tool migration path to Eclipse

Co-op student, VisualAge for Java Service and Support

Sept 1998 - July 1999

- Creator of the internal fix pack upgrade process
- Creator of an online parser for legacy internal customer survey reports

SUMMARY OF TECHNICAL SKILLS

Programming Languages

- C - Specializes in system-level programming: POSIX (libc), NT, and WIN32
- C++ / Java - Application-level experiences with COM+, STL, Eclipse SWT
- x86 / x64 asm - Extensive OS-level debugging experiences
- ACPI - Extensive ASL experiences, GPE handler, resource descriptors
- Python, PHP, javascript - Web programming experiences

Operating Systems

- Unix - Slackware administrator, Redhat / Solaris developer, GNU dev tools
- Windows NT family - kernel internals, WDM and WDF, user-mode services, PnP, HAL, WMI

Networking

- Distributed programming - Experienced in sockets, TCP/IP, RPC, SOAP, XDR
- Web programming - servlets, javascript, HTML, CSS, REST methodology

EDUCATION

University of Toronto, Toronto, Ontario, Canada

Bachelor of Applied Science - Computer Engineering Sept 1999 - May 2003

- Design project - Simulation of Application-layer Peer-to-Peer Multicasting
- Voted as the graduating engineering class valedictorian

LANGUAGES

English / Mandarin - Native-level fluency

French - Beginner level

Reference available upon request.