JAYANTH KOTTAPALLI
3B COMPUTER SCIENCE
jkottapa@uwaterloo.ca

Skills Summary

- Working and applied knowledge of imperative programming, object-oriented programming and algorithm**,** data-structure designing with **5+** years of experience
- Proficient C/C++ programmer with in-depth knowledge of the inner mechanisms
- Strong understanding of OS Kernel foundations – multi-programming, concurrency, process communication along with thread synchronization and memory management
- Familiar with software and web development tools and processes
- Excellent software, troubleshooting, and customer service skills acquired through working as a **Software Support Specialist** and volunteering as a Technical Support assistant

Technical Adeptness

Programming Languages:	C, C++, Python, DrRacket (DrScheme),
Scripting:	Shell, Bash, PHP, Makefile
Databases:	MSSQL, Oracle
Operating Systems:	Windows, Unix/Linux, Mac
Source code management:	Concurrent Versions System, Perforce
Miscellaneous:	Eclipse, gedit, Microsoft Visual Studio, Adobe Photoshop, Adobe Illustrator, Microsoft Office, MAPLE, HTML

Education

Candidate for Bachelor of Computer Science/Business Option (Honours)
University of Waterloo, Waterloo, ON, Sept. 2009 – Present

Certified CompTIA A+ general technician   2007

Relevant Assignments:
WLPP language (subset of C++) compiler – Foundations of sequential programs (CS 241) - 2011
- Implemented a LR-1 and a LL parser along with a lexical analyzer
- Designed an efficient WLPP to MIPS compiler in C++
- Attained 20th rank in code efficiency out of over 250 students

Relevant Courses:
Object Oriented Software Development, Operating Systems (components of an OS Kernel), Algorithms, Data Structures and Data Management, Foundations of Sequential Programs (Compiler for MIPS in C++), Computer Organization & Design

Work & Volunteer Experience

Software Support Specialist – Co-op   **Performance review rating- Excellent**
Research in Motion Limited®
415 Philip St, Waterloo   Jan 2012 – April 2012
- Provided Level 1 administration & technical support to various production tools in R&D

- Provided technical support to source-code management tools/software with R&D
- Helped troubleshoot software issues that users have encountered efficiently
- Provided step-by-step instructions to resolve various software and technical issues
- Worked on web development using PHP, HTML, Javascript and wrote various **tool scripts** for self-service

Technical Support Assistant, Volunteer
Netplus College of Information Technology
Ellesmere and Kennedy, Toronto   July 2007 – Sept. 2007
- Provided first-level technical support on basic operational and maintenance of PC's
- Set up networking of Windows, debugged network connectivity
- Installed Operating Systems, upgraded, managed files, disks
- Used documented procedures for peripherals and tools
- Made phone calls to customers to troubleshoot problems over phone

Voluntary work for Winston Churchill CI Prefects/Student Activity Council
- Helped organize school dances, parent-teacher meetings, shows & several fundraising events Sept. 2006 - Sept. 2009

Awards, Achievements & Interests
- Queen Elizabeth II Aiming for the Top scholarship, University of Waterloo   September 2009
- Ontario Scholar's Award, November 2009
- Grade 12 Computer Engineering Award
- Winston Churchill C.I. Medallion grade 11 as well as received an Honour Roll in grade 9, 10, and 12
- Runner-up in 2009 TDSB Cricket regional championship, Toronto City Championships
  Winston Churchill C.I., Scarborough, ON, June 2009
- Eager to learn additional programming languages and their respective skills and work on individual projects as well as developing Smartphone apps
- Cricket