VEDANT KHATTAR

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COMPUTER ENGINEER

OBJECTIVE

Enthusiastically seeking a full-time job opportunity in the field of Software and Computer Engineering where my academic and professional experience can be used to solve interesting problems

SOFT SKILLS

- Desire for innovation expressed through creation of a functional Smart Android-Arduino T-shirt and other personal projects
- Strong communication skills obtained by working in diverse work environments
- Quick to adapt to new environments; willingness to learn and undertake new challenges

INTERESTS

Guitar | Hackathon | Novels | Soccer

TECHNICAL SKILLS

Languages
Java | C++ | C | PHP | Python | Objective-C

Tools
Android-Studio | Eclipse | XCODE | GIT | SVN | MySQL | JMeter | MAMP

Markup and Design
HTML | XML | CSS | Adobe Photoshop

SDK
Android | iOS

Presentation
Demos | Market | Competitor | Product | Technology

WORK EXPERIENECE

FALL 2014
Mississauga, ON

+ SOFTWARE DEVELOPER

Blackberry

- Implemented a TCP Server Client Communication Service for the BlackBerry Messenger (BBM) app on the Android and BB10 platform
- Extended the TCP sampler of Apache JMeter to write a custom JSON TCP parser and JSON validator helper methods
- Redesigned the existing Android BBM UI to support multiple display sizes
- Gained experience in debugging and development of android apps on Android-studio and code-review process using GIT and JIRA.

FALL 2013
Delhi, IN

+ SOFTWARE DEVELOPER

Medfin Capital Group

- Worked in the debt Syndication team to help automate the loan tracking process
- Worked on a Java applet called 'QuickCommand' which allows accountants to quickly issue commands to different applets within internal financial applications
- Supported auto-completion of commands being typed into QuickCommand and auto-detection of the applet for which a command was issued

WINTER 2013
Markham, ON

+ MULTIMEDIA SUBSYSTEM DESIGN

Qualcomm

- Developed MISR feature for the VBIF (Virtualization Bus Interface) team
- Contributed with test plan development (Vera, System Verilog test bench) and verification closure in conjunction with the ASIC teams
- Gained strong knowledge of Objected Oriented programming, bus (AHB, AXI) and event driven simulators

SPRING 2012 + PHP AUTOMATION ENGINEER
Cupertino, CA SugarCRM Inc.

- Developed an automated testing tool using PHP that tested the web application software
- The testing tool parsed through cache, database and generated XML scripts to test the core functionality of the product
- Contributed in designing an innovative testing automation framework that followed the principle of Blackbox Testing

FALL 2011 + SOFTWARE QA TESTER
Toronto, ON Ramsoft Inc.

- Conducted all levels of testing including regression, application, acceptance, load and stress testing
- Implemented and debugged third party software such as maintaining health records, billing and speech recognition

WINTER 2010 + SOFTWARE VERIFICATION ANALYST
Ottawa, ON Irderto

- Ported C++ test cases to C and manually tested them using Putty in Windows, Mac and Linux Virtual machines to ensure portability
- Coded data type transcoding test cases for all platforms and made changes in the main framework to implement them

PERSONAL PROJECTS

2013 - PRESENT + SMART-T-SHIRT ANDROID-ARDUINO PROJECT

- Developed an Android App which controls the LED's mounted on the back of a T-shirt
- Used an Lilypad Arduino to program the LED's and to connect the Bluetooth module
- The T-shirt uses Android's inbuilt voice detection as well to make the LED's blink

EDUCATION

2010 - 2015 + CANDIDATE FOR BACHELOR OF APPLIED SCIENCE, HONORS COMPUTER ENGINEERING
University of Waterloo

+ RELEVANT COURSES

Data structures and algorithms
Run-time complexity, stack, queue, has table, linked list, graph data structures, trees

User Interfaces
Basics of human-computer interactions, design/develop/evaluation of user interface architecture

Compilers
Lexical analysis regular expressions and finite automata, parsing, context-free grammars and push-down automata, sematic analysis scope and name analysis, type checking.

Operating Systems
Process management, multi-thread communication and synchronization, memory management, file systems, interrupt handling, concurrent programming.