

Rohaam Hamid

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SUMMARY

- Software Developer with 4+ years of experience developing and maintaining applications built on various platforms. Passionate about user experience and utilising cutting edge tools for delivering practical, good looking and efficient products. Demonstrated ability negotiating software requirements with customers.

TECHNICAL SKILLS

- **Languages:** C, C++, C#, Java, Python, Javascript
- **Libraries and Frameworks:** WPF, ATL, .NET, WinAPI, ExpressJS, Qt
- **Platforms:** Android, Windows, Windows Embedded Compact 7, NodeJS
- **Databases:** SQLite, Microsoft SQL Server, MongoDB
- **Tools:** Git, Android Studio, Visual Studio, Eclipse, Firebase, ClearCase, MATLAB, MacOS, Windows, Linux (Lubuntu), Jenkins
- **Core Concepts:** Algorithms, Data Structures, Object-Oriented Design, Multi-threaded Programming, Operating Systems, Network Programming
- **Development Methodologies:** Agile, Waterfall

WORK EXPERIENCE

Intermediate Software Engineer (Tools and Simulators, C/C++/C#) **May 2015 – Present**
Thales Transportation Solutions, Toronto, ON

- Designed and implemented user interfaces for train diagnostics tools based on requirements from customers using Microsoft WPF
- Ported and customized existing applications for specialized embedded hardware running Windows Embedded Compact 7 and Windows XP Embedded
- Developed code on demand applets to parse and process diagnostics data gathered by embedded data collectors
- Debugged and fixed logical and mathematical errors in project specific simulations for Communications Based Train Control (CBTC) solutions

Android Application Consultant/Developer **Sep 2014 – Nov 2014**
FIXO Property Management Platform, Toronto, ON

- Designed and implemented new features and bug fixes for the company's Android application based on requirements gathered from stakeholders
- Refactored and redesigned the existing code base for better performance and understandability
- Managed the code repository and released updates through the Google Play Store

Software Developer Co-op(C/C++/Qt)
Blackberry, Waterloo, ON

May 2013 - Aug 2013

- Independently carried out a project to research and implement a method to pass information between a VMWare Host Operating System and the Blackberry Operating System Virtual Machine
- Updated existing drivers and API to support Multi-Record NFC tags in the Blackberry 10 OS Simulator

Software Development Intern (Graphics Team, C/C++)
QNX Software Systems, Ottawa, ON

Sep 2012 - Dec 2012

- Carried out a project to reduce the size of the memory footprint of the QNX Graphics Management System; the code modification is currently being used by Panasonic in their products
- Profiled the existing code base and conducted a detailed presentation for new employees on the Input Subsystem for the QNX Graphics Management System

PERSONAL PROJECTS

Froot File Browser

Dec 2014 - Present

File browser for Android devices designed based on Google's Material Design

Advanced App Manager

Jun 2017 - Present

App Manager for Android devices designed based on Google's Material Design

RELEVANT UNIVERSITY ASSIGNMENTS

Low Cost Atomic Force Microscope

Sep 2013 - Mar 2014

Designed and implemented embedded and client software for a novel atomic force microscopy system based on an Analog Devices Microcontroller and Qt

Autonomous Mobile Robot

May 2012 - Dec 2012

Modelled and programmed a robot to autonomously move through a maze by gathering and interpreting data from a Kinect sensor and a GPS sensor using SLAM

EDUCATION

- Bachelors in Mechatronics Engineering, Co-op, University of Waterloo, ON, Sep 2009 - Apr 2014