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Ahmed Elkady
3B Computer Engineering

Summary of Qualifications

Frameworks	PhoneGap/Cordova, Appcelerator, Android SDK, iOS, jQuery, REST API
Languages/Tools	Proficient: Java, HTML, CSS, Javascript/JSON, Lua Skilled: C++, Objective-C, Matlab Familiar: C, C#, VHDL, PHP
Miscellaneous	Agile Dev, Teamwork, Leadership, PCB Design, Linux, Data Structures and Algorithms

Employment

Autodesk
Toronto, ON
May - Aug 2015

Mobile Application Developer
- Used iOS Objective-C, Lua, and C++ to develop a contest feature for Sculpt+, a 3D-intensive social media app where users could share self-created 3D models
- Updated the Android app to be Gradle-based, reducing build speeds by up to 50%
- Improved the internal Kalpana 3D framework, used by multiple Autodesk apps

Metroland Media
Toronto, ON
Sept - Dec 2014

Software Developer
- Used the Appcelerator framework to work on the Save.ca hybrid mobile application, part of Canada's largest online shopping savings and deals ecosystem
- Used Javascript, HTML, CSS, Android Java, and jQuery to develop a new method of favouriting flyers and redesign the camera module, increasing the app's rating by 0.3 stars over the course of the term
- Performed routine bug fixes and updated the app to iOS 8 and Android Lollipop

CGG
Singapore
Jan - April 2014

IT Intern
- Created at least 3 hybrid company apps from scratch using Phonegap and Cordova which allowed people to keep track of their seismic processing jobs
- Installed, programmed and ran tests on the Intel Xeon Phi Co-processor using C++, increasing the speed of seismic processing jobs by up to 20%

Projects

TVRatings
Sept 2015

Android Application
Graphs IMDB rankings of TV show episodes, using JSON and Gradle

Stars
April 2015

Matlab
Simulator that generates mathematical models of various stars based on the astrophysical laws of the universe

Education

Bachelor of Applied Science
Sept 2012 - May 2017 (expected)

Computer Engineering, University of Waterloo
- CGPA: 3.9. Last Class Rank: 2nd of 61. Dean's Honour List in all academic terms
- Team Lead, Midnight Sun Solar Car "Rayce" Team, learnt PCB Design and Altium
- Created at least 5 Android applications, including one which drew a path between two points that didn't hit any obstacles and could track your movements
- Recipient of the President's Scholarship and the Engineering Int'l Student Grant