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## EMPLOYMENT

### **XI Technologies Inc.**

**May 2013 – Aug 2014**

#### *Application Developer Intern*

- Worked in an fast-paced agile environment within the oil and gas industry
- Maintained and improved existing backend ETL Framework using C, C++, C#, Python, SQL Server, BTrieve
- Built an internal tool that dynamically generates a BTrieve table schema from a C/C++ header file
- Created and maintained developer documentation using Confluence
- Mentored and trained new interns during the end of the internship

### **Alberta Health Services**

**May 2012 – Aug 2012**

#### *IT Summer Student*

- Adapted quickly to a team of ten DBAs
- Assisted in maintaining SQL Server databases using SQL Server Management Studio
- Contributed to the Microsoft SQL Server consolidation project
- Trusted with a System Administrator account that has access to over 400 servers with confidential medical information
- Communicated with different teams to provide a smooth migration of their databases
- Documented SQL Server consolidation progress for easy transition of work after the end of the summer term

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## Technical Skills

- Proficient in: C, Java, SQL, HTML, OOP, Git
- Experience in: C++, C#, Python, CSS, JavaScript, jQuery
- Developer IDE: Visual Studio, SQL Server, Eclipse
- DBMS/Cloud Platforms: MySQL, Oracle, SQL Server, Parse

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## EDUCATION

### **University of Alberta**

**Apr 2015**

#### *BSc. Computing Science*

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## PROJECTS

### **BlackBerry 10 PhoneGap Plugin - UCOSP**

**Jan 2015 – Apr 2015**

#### *[JavaScript, C++, Qt]*

- BlackBerry 10 WebWorks (PhoneGap) was one of the participating open source projects for UCOSP (undergraduate capstone open source project)
- Worked in a distributed team environment of University undergraduates across Canada under BlackBerry's Open Source Technical Lead
- Implemented a BlackBerry 10 WebWorks plugin that is deployed in the Apache Cordova Plugin Registry
- Plugin involves creating a JavaScript API which allows developers to bind hardware media keys on their BlackBerry 10 device by utilizing native C++ and Qt components

### **Image Sharing Web Application**

**Sept 2014 – Dec 2014**

#### *[Java, JSP, Oracle, JavaScript]*

- Cooperated in a team environment to build an online image sharing application similar to Flickr
- Built utilizing JSPs for the front-end and Java Servlets for the back-end
- Project responsibilities include user registration, user profile modification, user login, admin data analytics drill down

## **Bluetooth Trilateration Prototype**

**Jan 2015 – Apr 2015**

*[Java, JavaScript, jQuery, NodeJS, Android SDK, Parse]*

- The goal of this project was to explore whether it is possible to trilaterate (approximate) the location of a mobile device utilizing Bluetooth beacons
- The Project involved building an Android mobile application that allows bluetooth tracking, web application for analyzing the data, and a cloud backend that can allow us to easily store and retrieve data for our needs
- Project responsibilities include assisting with the design of the database schema, assisting with the implementation of the backend and frontend of the web application, implementing the Android background service for seamless communication of coordinate data with the cloud database
- Technologies used in this project include Android SDK for mobile, Node.js for the web application, and Parse for cloud storage

## **EXTRACURRICULAR ACTIVITIES**

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### **Toastmasters International**

**Sept 2014 - Present**

- Delivered impromptu speeches in a public setting
- Participated in toastmaster specific roles such as timer and ah counter.

### **University of Alberta Week of Welcome**

**Sept 2012**

- Assisted the University of Alberta student union with their annual pancake breakfast
- Assisted in operating activity/game booths
- Encouraged passerby students to participate to win prizes