

# Dany Gebara

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## EDUCATION

<b>Graduated 2006</b>	<b>University of Calgary</b> Master of Science in Computer Science, with Emphasis on Databases Courses Taken: Research Methodology in Computer Science, Research Trends in Database Technology, Mathematics of Wavelets, Signal and Image Processing, Machine Learning Theory, Challenging XML Technology (Database Perspective) GPA 3.94/4.00. Teaching Assistant	Calgary, Canada
<b>Graduated 1999</b>	<b>American University of Beirut</b> Bachelor of Science in Computer Science GPA 83/100. Honours List Fall 98	Beirut, Lebanon
<b>Graduated 1996</b>	<b>Jesus and Mary School</b> Lebanese Baccalaureate – Elem. Mathematics: Official in 1996	Beirut, Lebanon

## RECENT EXPERIENCE

<b>From 11/13 to Present</b>	<b>Computer and Communication Technology,</b> Position: Lead Software Developer <ul style="list-style-type: none"><li>● Responsible for development of new features and providing technical support for vehicle tracking &amp; monitoring system.<ul style="list-style-type: none"><li>○ The application tracks assets regardless of manufacturer, and monitors utilization and idle periods</li><li>○ Set up system to generate reports on telematics data from the vehicles using SSRS (SQL server reporting system)</li><li>○ Reports generated for management to improve resource allocation and reduce equipment misuse</li><li>○ Support for multiple manufacturers including VisionLink/Caterpillar, Volvo, CraneSTAR and VDO</li></ul></li><li>● Develop new features and support for an electronic document management system (EDMS) that controls, organizes, manages and tracks documents in a secure document repository</li><li>● Develop standalone applications and Autodesk plugins to liaise projects created in AutoCAD, Revit or Navisworks into building information management (BIM) software</li><li>● Research project in collaboration with the American University of Beirut using force-directed algorithms in auto-generation of annotations in execution drawings.</li></ul>	Beirut, Lebanon
<b>From 08/10 to 10/13</b>	<b>Consolidated Contractor's Company,</b> Position: Contracts Administrator <ul style="list-style-type: none"><li>● Developed system for advance detection of contract risks in ongoing construction projects.</li><li>● The system warns senior management of potential contractual problems, thus helping them deal with these emerging issues at a sufficiently early stage and in a timely manner.</li><li>● Data is retrieved from a customized dashboard, analyzed and a report generated for management.</li></ul>	Beirut, Lebanon
<b>From 09/07 to 08/09</b>	<b>Fekete Associates Inc.,</b> Position: Software Programmer <ul style="list-style-type: none"><li>● Developed an application to smooth oil and gas well production data (Pressure, Gas Rate) collected from the field. The application removed noise and erroneous readings to help engineers analyze the well. Several wavelet methods were developed and implemented using C++ to see which smoothed the data better.</li><li>● Developed an application to help reservoir engineers analyze oil and gas well production data by displaying several plots simultaneously. Users are given the option of comparing the collected data with theoretical data via a help file. The application also allowed users to customize the plot display according to their needs. Application was developed in C++.</li><li>● Worked as part of a team developing a new version for one of the company's existing software products. Work carried out included design and implementation of a module that allows the user to sort data hierarchically. The design document was written using Visio. This module communicated with other modules within the software, and was written in C++.</li></ul>	Calgary, Canada

## **PROJECTS ACCOMPLISHED**

- WAVEQ: Combining Wavelet Analysis & Clustering for Effective Image Retrieval
- Line of Balance
- Bar Bending Schedule
- Contracts database management
- Software for the oil & gas industry
- Cybiz buyer
- Cybiz seller

## **SKILLS**

**COMPUTER SKILLS:** C#, Java, MS SQL, AutoDesk SDK, Visual Basic, XML, MS Office, AutoCAD, Primavera.

**LANGUAGES:** Fluent in English and Arabic with basic knowledge in French (writing, reading and speaking)

**SOFT SKILLS:** Ability to lead project team, inquisitive mind, communication skills, organised person, fast learner

**RESEARCH SKILLS:** I have completed many projects from research through to delivery phase

**TECHNICAL SKILLS:** Computer programming in many languages, trained in construction contracts (FIDIC)

## **INTERESTS AND HOBBIES**

- Walking, Biking, Swimming
- Photography

## **REFERENCES**

- Available upon request