

ROBBIE MELVIN

rmmelvin@gmail.com

204-960-4395

SUMMARY

Leader, analyst, researcher, developer, and technical writer with over 12 years active experience in Information technology fields. Experienced in supporting communication between technical teams and client and business stakeholders.

- Leadership (8 years)
- Technical Writing (9 years)
- Business Analysis (3 years), Quality Assurance (2 years)
- Software Development (5+ years), Web Development (10+ years)
- Database Design and DMBS use, SQL Server (4 years) & MySQL (6+ years), MS Access (legacy and current)
- Human Computer Interaction Research, prototype development, CMS systems (5+ years WordPress), training and lecturing

EMPLOYMENT:

2010 - PRESENT

UNIVERSITY OF MANITOBA, COMPUTER SCIENCE DEPARTMENT

Sessional Instructor

Current Term:

COMP1012 Computer Science for Scientists and Engineers

- Second term as instructor of introductory programming for scientist and engineers
- D2L course management (nTreePoint used previous term)
- Moderating discussion boards, provide office hours, progress feedback
- Python programming language
- Working with instruction team on creation and marking of assignments and exams
- Data types, expressions, control structures, arrays, plotting, programming processes

Previous Terms:

COMP1010 DE Introductory Computer Science

- D2L online delivery system
- Creating and marking assignments and exams
- Moderating discussion boards and providing feedback
- Working with Distance Ed department to manage online content
- Java programming language
- Data types, control structures, arrays, and basic object oriented programming

COMP1020 and Introductory Computer Science II.

- introductory Computer Science
- D2L course management
- lecturing
- Creating and marking assignments and exams
- Moderating discussion boards, holding office hours and providing feedback
- File i/o, object oriented programming, data structures, analysis of algorithms

Lab Instructor MIS2000 – use of Microsoft Access and Excel

- D2L course management
- Creation and management of online quizzes
- Lab instruction
- Creation, and marking of assignments
- Database and spreadsheet concepts and use focusing on Microsoft Office products

2008 – PRESENT

RURAL INSIGHT RESEARCH AND TECHNOLOGY INC

<http://ruralinsight.ca>

Consultant and Owner

Rural Insight Research and Technology Inc. provide Network Technology services for the rural market. We provide one on one service for clients including small businesses and community groups. Our services include hardware sales, research projects, and educational components

- Consultation and sales of Cellular Signal Hardware
- Vendor relations
- WordPress website customization and management
- DNS management and domain sales
- Production of training materials and instruction for Microsoft Office and WordPress related tools
- Business analysis
- Planning for future business ventures (rural retreat, rural communication tools)

2010-2014

UNIVERSITY OF MANITOBA, HUMAN COMPUTER INTERACTIONS LAB

Research Assistant

Continuing research from Master's thesis related to communication in rural and remote communities.

- planning, budgeting and scheduling research activities
- recruiting and interviewing participants
- analysis of interview content
- working with team to write research paper based on analysis
- making recommendations for future software and hardware development
- upcoming presentation of material at an international HCI conference (CHI2015)

2009 – 2010

UNIVERSITY OF MANITOBA, OFFICE OF RESEARCH SERVICES

<http://umanitoba.ca/research/ors/index.html>

Implementation Specialist

The Office of Research Services provides support to Research teams across both campuses of the University of Manitoba in areas of administration, technical support, ethics, funding source tracking, and proposal development. I was involved in requirements gathering, implementation, technical writing, and training for a new integrated third party software module.

- learn from research and animal care professionals to learn needs for ethics data management
- document requirements
- review third party provider software to find best way to accomplish requirements
- document use of customized third party software
- train staff on use of customized third party software
- work with team to provide whatever technical and documentation support might be needed within the Office of Research Services... selecting software, providing recommendations for forms, and updating documentation
- online and pdf based documentation using Adobe software, MS Office, and other tools as needed

2005 – 2009

DMT DEVELOPMENT SYSTEMS GROUP INC

www.dmt.ca

Business Analyst, Development Manager, Project Leader, Developer

DMT develops N-Tier Desktop and Web applications based on Microsoft technologies. I worked as part of various teams, developing and maintaining software built for the automotive industry. I worked in various roles within the company, most recently as a Business Analyst consulting on various projects making both business and technical recommendations. Previously I worked as a developer on core components of both desktop and web based n-tier architecture projects.

2005 – 2006 Software Developer

- maintain legacy software
- create/edit Crystal Reports documents
- developed components of new version of dealer software package
- responsible for accuracy of data entry for financial programs
- Visual Basic, Crystal Reports, .net tools, XSLT, SQL server

2006-2008 Team Lead / Business Analyst

- lead teams of 2 to 4 people
- responsible for accuracy of data entry
- copy writing and content adjustments for manufacturer content
- maintenance and updates to n-tier software components
- meet with stakeholders to manage projects
- document requirements including needs descriptions, UML, flow diagrams, and wireframes
- key project: analysis of various banking programs and needs to create a back end system to manage banking data for financing and leasing vehicles.
 - o Responsible for design of database and middle ware
 - o Rework of algorithms to calculate financing and leasing details
 - o Documentation for all components
 - o Use of agile and pair programming techniques
- key project: development of a new product based on discussion with various stakeholders including DMT President and dealer relations team.
 - o Analysis of problem and goals
 - o Document requirements and use
 - o Develop UX with support of graphic design team
 - o Research and develop code to link with mail system (active directory)
 - o Document QA requirements
 - o project management for 4 person multi disciplinary team.

2008-2009 Development Manager / Business Analyst

- lead development team of 8 developers
- maintain and add to n-tier system including web services, dealer office systems, and dealer and manufacturer websites
- interview and hire co-op students
- monitor progress of tasks, staff needs
- produce documentation regarding both project and administrative requirements
- work with HR manager
- agile and scrum,
- .net , csv, sharepoint,

2003

MICRO MANAGEMENT SYSTEMS

Programmer, Co-op Terms II and III

Designing and implementing components of a web based front end for an existing database application using MUMPS, Cache, sever pages, HTML, and JavaScript

EDUCATION:

IN PROGRESS

Certificate Program in Management and Administration (CIM)

University of Manitoba, Extended Education

2014

Masters of Science

University of Manitoba, Dept Computer Science

Human Computer Interactions Lab

GPA 3.88

AWARDS:

2000

The Les Butterworth Scholarship Fund Award

Local 500, Canadian Union of Public Employees

2002

MANITOBA HYDRO

Processing Support Analyst 1, Co-op Term I

Designing and implementing Access database with user interface for the Forest Enhancement program, providing technical assistance to supervisor

2006

Introduction to Business Analyst

Red River Community College, Winnipeg

2004

Bachelor of Computer Science – Honours Coop

University of Manitoba, Winnipeg, Manitoba

GPA 3.49

1999

Deans Honour List, University

PUBLICATIONS:

MASTER'S THESIS:

Investigating Connectivity Challenges and Available Mitigation for Communication in Rural and Remote Environments M.Sc. (2014) Dett. of Computer Science, University of Manitoba,

FULL CONFERENCE PAPERS:

Melvin, R., Bunt, A., Odour, E., and Neustaedter, C, The Effect of Signal Expense and Dependability on Family Communication in Rural and Northern Canada, Proc CHI (CHI 2015) to appear, 10 pages

Melvin, R., and Bunt, A.. Designed for Work, but not from Here: Rural and Remote Perspectives on Networked Technology, Proceedings of ACM Conference on Designing Interactive Systems (DIS 2012) 176-185

WORKSHOP:

Melvin, R. and Bunt, A.. Effects of Reduced Connectivity in Rural and Remote Communities. In Workshop on Everyday Practice and Sustainable HCI: Understanding and Learning from Cultures of (Un)Sustainability (CHI 2011), Vancouver, Canada.

POSTER:

Melvin, R. and Bunt, A. Networked Technology in Rural and Remote Locations: The Good, the Bad and the Future, (GRAND 2012), Montreal, Canada.

MEMBERSHIPS & VOLUNTEERING:

ASSOCIATION FOR COMPUTING MACHINERY

Since 2002

CANADIAN INSTITUTE OF MANAGEMENT

Since 2014

163RD WINNIPEG SCOUTS, SCOUTS CANADA

Since 2011

- Group Commissioner, Beaver Colony Leader, Communications and Recruiting, Volunteer coordination
- Leading team of 12+ leaders in providing programming to 40+ youth ages 5 to 26
- Recruiting, training and supporting team members
- Administration
- Program development & implementation
- Online communication including social media

LINDENWOODS CHILD CARE CENTRE

2006 - 2009

- Member of Board of Directors, Policy Committee, Communications Committee