

Dane Bertram

<http://www.danebertram.com/contact.php>

EDUCATION:

University of Calgary (Calgary, AB) **Sept. 2007 – Present**

Master of Science – Computer Science

Research Area: Human-Computer Interaction and Software Engineering

Supervision: Dr. Saul Greenberg (HCI & CSCW) and Dr. Robert Walker (Software Eng.)

- Cumulative GPA: 4.0 on a 4.0 scale
- Alberta Ingenuity MSc Student Scholarship
- iCORE Graduate Student Scholarship
- Departmental Research Award

University of Windsor (Windsor, ON)

Sept. 2002 – Apr. 2007

Bachelor of Science (Honours) Co-op – Computer Science

Specialization: Software Engineering, Minor: Mathematics

- Cumulative GPA: 12.82 on a 13.0 scale, graduated top of my class with Great Distinction
- Philosophy / Computer Science Teacher's Assistant – (2003 Fall / 2004 Winter)
- Dean's Renewable Entrance Scholarship – (2002 - 2006)
- Dean's List & President's Roll – (2002 - 2007)
- 2004 NSERC Undergraduate Research Award recipient
- 2004 / 2006 Computer Science Society Scholarship recipient
- 2006 / 2007 Board of Governors Medal (Science / Computer Science)
- 2007 Co-op Rising Star Award recipient

CERTIFICATIONS:

▪ **Microsoft Certified Solution Developer for .NET (MCSd .NET)** **May 2004**

- Microsoft Visual Studio .NET
- Concentration in Visual C#, SQL Server 2000, and security

▪ **Sun Certified Java Programmer (SCJP)** **Aug. 2003**

- Java 2 Platform 1.4

▪ **Microsoft Certified Database Administrator (MCDBA)** **Dec. 2000**

- Microsoft SQL Server 2000

▪ **Microsoft Certified Solution Developer (MCSd)** **Oct. 2000**

- Microsoft Visual Studio 6.0
- Concentration in Visual Basic and Windows 2000 Server

EXPERIENCE:

University of Windsor (Windsor, ON)

Jan. 2007 – Aug. 2007

Computing Consultant – Student and Academic Services

- Technical lead on large-scale student recruitment campaign (~6000 students)
 - Cross-browser, cross-platform Flash movie integration, troubleshooting, and QA
- Designed and implemented a reusable bulk mailing system that recorded readership statistics and tracking information
- Liaised between University stakeholders and external consulting staff

- Maintained and enhanced the functionality of existing Lotus Notes Domino web applications in addition to designing and implementing new applications
- Successfully coordinated multiple time-sensitive projects between various faculties, departments, and external consulting firms

University of Windsor (Windsor, ON)

Jul. 2005 – Jan. 2007

Head IT Student – Centre for Career Education

- Designed and developed complete website redesign including graphical layout, dynamic content, and website maintenance improvements
- Spearheaded and managed multiple office automation projects involving extensive use of Microsoft Office and Lotus Notes technologies
- Responded to office staff on day-to-day basis utilizing a wide range of technical and interpersonal skills (office equipment troubleshooting, software training, software evolution, maintenance, and enhancement, etc.)
- Occasionally supervised and coordinated projects with 1 to 2 additional IT Students

ABB Switzerland Ltd. (Baden, Switzerland)

Jun. 2004 – Jun. 2005

Corporate Research Intern

- Coordinated long-ranging, enterprise scale software solutions (3-4 year timelines)
- Developed multi-tiered relational databases using SQL 2000, including advanced triggers and stored procedures (>15 related tables)
- Performed field research and practical analysis of alternative SOAP protocol stacks resulting in a formal paper being submitted to multiple industry conferences
- Developed two GUI prototypes from start to finish within the 0-Config SMS project:
 - Sole developer responsible for all GUI related architecture, graphical design, coding (Visual C# .NET), and documentation
 - One of these prototypes (IEC61850 Browser) is currently being used in-house and is being considered as a potential commercial product for ABB
- Participated in all stages of software development including requirements testing, deployment solutions, user documentation, as well as developer documentation and API formulation

Dabsoft Solutions Inc. (Essex, ON)

Aug. 1996 – Present

Software Architect / Independent Contractor

- Designed, developed, and maintained commercial and freeware software titles
- International sales and technical support
- Experience with portability issues related to encryption and hashing algorithms
 - ASP encryption and security related applications (cryptographically-secure content storage & retrieval)
- Development of both desktop and web applications utilizing:
 - PHP and ASP (including ASP.NET) using MySQL, Access, and SQL 2000
 - Visual C# .NET, Visual Basic 5.0 & 6.0
 - JSP using Oracle (exposure to EJB architecture and design framework)
 - Java applets and JavaScript client-side coding
- Experienced with all aspects of contract work and custom software development
- Accounted for company finances as well as corporate tax responsibilities

Unity Insurance Group, Ltd. (Windsor, ON / Essex, ON)**Aug. 2000 – Jun. 2004****Office Clerk & IT Technician**

- Maintained and supported Citrix and Terminal Services servers from branch office
- Performed router troubleshooting, hardware maintenance, upgrading, and installation
- Performed mail server troubleshooting and maintenance resulting in improved performance & reliability (Exchange Server 2000)
- Computer staging – installation of various operating systems and proprietary software

TECHNICAL SKILLS:

Languages / Platforms / Protocols

- Visual C# .NET, Python, Java, C, VB6
- PHP, JSP, ASP, and ASP.NET
- (X)HTML, DHTML, CSS
- JavaScript, VBA, Java Applets, LotusScript & Formula Language
- Windows desktop and server platforms (95 – 2003 Server)
- Familiarity with Unix / Linux based operating systems
- TCP/IP, UDP, SMTP, SOAP
- Mitsubishi Electric Research Laboratories' DiamondTouch multi-touch tabletop display

Applications / Architectures

- Adobe Suite (Photoshop, Acrobat, etc.) / MS Office Suite 97 - 2007
- Microsoft Visual Studio 6.0 / .NET 2003 / .NET 2005 (using SourceSafe 6.0d)
- Relational Databases (SQL 2000, MySQL, Access 97 / 2000, limited Oracle)
- Web Development Architectures (IIS using ASP & PHP, Apache using PHP & Perl)
- Lotus Notes (including Domino Designer)

COMMUNITY INVOLVEMENT:

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|---|-------------------------------|
| Habitat for Humanity Intl. and Greater Auckland Habitat (Auckland, New Zealand) | Aug. 2007 |
| <ul style="list-style-type: none"> • Volunteer on Global Village trip lead by David Moore (2 weeks) | |
| French Dressing Jeans International Dragon Boats for the Cure (Windsor, ON) | Jul. 2007 |
| <ul style="list-style-type: none"> • Volunteer paddler on team Field's Fighters | |
| Canadian Cancer Society's Relay for Life (Windsor, ON) | Jun. 2007 |
| <ul style="list-style-type: none"> • Volunteer on team UWindsor for all-night walkathon fundraiser | |
| Terry Fox Run (Windsor, ON) | Sept. 2006 |
| <ul style="list-style-type: none"> • Participant in 10km run / walk / bike fundraiser | |
| Building Blocks for Better Babies (Windsor, ON) | Jul. 2006 – Sept. 2006 |
| <ul style="list-style-type: none"> • Volunteer web designer - completely redesigned www.buildingblocksforbetterbabies.com | |
| Habitat for Humanity Intl. and Bayou Area Habitat (New Orleans, LA) | Jul. 2006 |
| <ul style="list-style-type: none"> • Volunteer/participant on General Mills sponsored hurricane rebuilding trip (2 weeks) | |
| Habitat for Humanity Windsor-Essex (Windsor, ON) | Summer 2006 – Present |
| <ul style="list-style-type: none"> • Annual volunteer for pre-build and blitz-build events (5 - 15 days each year) | |
| Habitat for Humanity Canada (Winnipeg, MB) | May 2006 |
| <ul style="list-style-type: none"> • Volunteer/participant on first ever Canadian National Student Build (2 weeks) | |
| Guatemala Hope (Woodslee, ON / El Triunfo, Guatemala) | Feb. 2006 |
| <ul style="list-style-type: none"> • Delivered vitamins to multiple small villages as missionary (2 weeks) | |