

# DENNIS IDELER

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**EDUCATION**      *Bachelor of Science (B.Sc.), Computer Science (Honours & Co-op)*  
Concentration in Intelligent Systems  
Brock University, St. Catharines, Ontario,      Sep 2007 - Present

*Voorbereidend Wetenschappelijk Onderwijs (VWO), Natuur en Techniek*  
or *Pre-university Secondary Education, Nature and Technology*  
Milton Peters College, St. Maarten, Netherlands Antilles,      Aug 2001 - Jun 2007

**TECHNICAL SKILLS**      ***Software Development:***      C++, C, Java, Prolog, Python,  
(in order of proficiency)      Linux Shell Scripting, Ruby, LC-3 Assembler  
***Web Development:***      HTML, CSS, JavaScript  
***Mobile Development:***      Windows Phone 7  
***Source Control:***      Git, Subversion (SVN), GitHub, Google Code  
***API's/Libraries:***      OpenGL, jQuery  
***Technical Writing:***      L<sup>A</sup>T<sub>E</sub>X, UML, MS Office  
***Business Collaboration Software:***      MS SharePoint 2007/2010, Trac, phpBB3  
***Database:***      SQL  
***Operating Systems:***      GNU/Linux, MS Windows (XP/Vista/7)

**EXPERIENCE**      **Free and Open Source Software Learning Centre**      Sept - Dec 2011  
*Technical Writer for Freeseer project*

- First Brock student to participate in the Undergraduate Capstone Open Source Projects (UCOSP) program. My case is being used to attract other students.
- Used agile and open source processes in a distributed development environment.
- Localized Freeseer to Dutch by translating the software interface and messages.
- Designed and built a home page for the project using HTML5 standards.
- Wrote a new simplified README with focus on readability and content.
- Wrote a Wikipedia article for Freeseer from a neutral perspective.
- Wrote comprehensive user and contributor documentation using Sphinx.
- Collaborated as a team player while posting and updating issues, communicating via IRC, mailing list, video conferencing, and blog posts.
- Frequently presented new ideas, suggestions, feedback, and constructive criticism to the team.

**Ministry of Transportation of Ontario**      May - Dec 2010  
*Systems Analyst (Co-op Student)*      St. Catharines, Ontario

- Team member of the Business Support, Policy & Planning Unit. Responsible for assisting clients in the ministry with consultation, technical support, and software solutions.
- Worked with supervisors, co-workers and consultants to architect, fabricate, and maintain a new ministry-wide Intranet which utilized SharePoint 2007.
- Responsible for updating the Major Applications Portfolio Strategy (MAPS) database. Interviewed several project managers in a timely fashion to extract information from 30+ projects. Project information is used for risk assessment.

- Refactored an embedded security request form that was used throughout the Ontario Public Sector to request new keycards. Improved performance and design, implemented new features, and fixed bugs. Wrote approximately 1000 lines of negative code by removing redundancies & using more concise constructs.
- Collaborated with business architects on the Training Management System project to produce class diagrams, system context diagrams, system use case models, an access control matrix, and a GUI design specification guide.

### **Maestro Media Center**

Sep 2009 - Apr 2010

*Deputy Leader*

St. Catharines, Ontario

- Demonstrated strong leadership skills as the deputy leader of a 7-person team for a 3<sup>rd</sup> year Software Engineering course at Brock University.
- Used agile software development methodologies to create a fully functional, cross-platform, media center. See [code.google.com/p/brockbots](http://code.google.com/p/brockbots)
- Utilized strong communication and listening skills when dealing with the client (our professor) and teammates on a weekly basis via meetings and emails.
- Demonstrated the ability to work effectively in a team and set and achieve realistic goals by organizing, planning, and executing tasks and meeting deliverables on schedule.
- Maintained a positive attitude during minor project failures and encouraged teammates rather than discouraging them. For example, influenced teammates to use pair programming when they were having difficulty with some coding tasks, which resulted in quicker completion, more team communication, and an overall better understanding of the project for those involved.
- Received an outstanding peer review and successfully delivered a project on time with my team. Our team produced the highest graded project that year.

### **GenieKnows Inc.**

Jan - Apr 2009

*Data Specialist (Co-op Student)*

Halifax, Nova Scotia

- Enhanced business data for results used to provide the search and mapping features of GenieKnows Local Search (now yellowee.com). Responsible for collection of data from various sources through Automated Data Collection.
- Daily duties included: identifying data requirements, researching data sources, automating the downloading and processing/formatting of data, evaluating data quality, writing technical documentation, logging bugs, and logging progress.
- Simulated user activity to overcome the “ghost town” effect shortly after user profiles and business reviews were introduced.
- Researched methods and implementations of specialized crawling and presented findings to R&D team. Utilized knowledge to develop specialized web crawlers for pages on the Surface Web and Deep Web.
- Collaborated in teams to present creative ideas during research meetings and company-wide brainstorming activities.

### **Antek: IT Solutions & Software**

Jun - Sep 2008

*Computer Technician (Holiday Worker)*

Sint Maarten, Caribbean

- Utilized creative problem solving skills and an analytic approach to set up, diagnose, and repair computers, hardware, software, and networks.
- Assisted clients with friendly customer service and technical support.
- Quickly adapted to different work environments and situations when executing tasks at diverse organizations and working in a team or individually.

<b>HONOURS AND AWARDS</b>	<b>Dean's Honour List</b>	2011
	<i>Brock University, Faculty of Mathematics and Science</i>	
	<b>Best Elected Residence Action Council Member</b>	2008
	<i>Brock University, Quarry View Residence</i>	
	<b>Government of Sint Maarten Study Financing Grant</b>	2007 - Present
	<i>Ministry of Education, Island of Saint Martin</i>	
<b>COMPETITIONS</b>	<b>ACM-ICPC East Central North America</b>	Oct 2008, 2009, 2010, 2011
	<i>International Collegiate Programming Contest</i>	
	<i>McMaster University, University of Windsor</i>	
	<b>Great Canadian Appathon</b>	Mar 2011
	<i>Team placed in top 25 of the national competition</i>	
	<i>University of Waterloo hub</i>	
	<b>Computer Science Games</b>	Mar 2010, 2011
	<i>Team placed in top 10</i>	
	<i>Polytechnique de Montreal, Concordia University</i>	
	<b>Mathematics A-lympiad Preliminaries</b>	Mar 2006
	<i>Team placed 2nd in the regional qualifier</i>	
	<i>Milton Peters College, Sint Maarten</i>	
	<b>St. Maarten Science Fair</b>	Apr 2005
	<i>Presented a solution to an enormous traffic congestion problem</i>	
	<i>Milton Peters College, Sint Maarten</i>	
<b>EXTRA- CURRICULAR INVOLVEMENT</b>	<b>Volunteer at Computer Science Fair for CSEdWeek</b>	Dec 2011
	<i>Computer Science Department, Brock University</i>	
	<b>Judge for Niagara Secondary Schools Programming Contest</b>	May 2011
	<i>Computer Science Department, Brock University</i>	
	<b>Guest speaker at Co-op Student Panel Workshop</b>	Oct 2010
	<i>Co-op Office, Brock University</i>	
	<b>President and Founder of Brock Chess Club</b>	Jan - Apr 2010
	<i>Math Help Centre, Brock University</i>	
	<b>Brock CS Recruiter at Ontario Universities' Fair</b>	Sep 2009
	<i>Metro Toronto Convention Centre, Toronto</i>	
	<b>Information Officer of Computer Science Club</b>	Sep 2009 - Present
	<i>Brock Chapter of the ACM, Brock University (See brockcsc.ca)</i>	
	<b>Co-founder and Administrator of BrockBots</b>	Mar 2009 - Sep 2010
	<i>Formerly a CS messageboard at <a href="http://www.brockbots.cosc.brocku.ca">www.brockbots.cosc.brocku.ca</a></i>	
	<b>Elected Residence Action Council Member</b>	Sep 2007 - Apr 2008
	<i>Quarry View Residence, Brock University</i>	