

# GEOFFREY K. HOLDEN, B.ENG.

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## EDUCATION

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### Bachelor of Engineering in Computer Engineering

Memorial University of Newfoundland

<http://www.mun.ca/>

Convocated in May 2004 with a 76.5% academic average and a 3.3 GPA.

**1998 – 2004**

Prince Philip Dr.

St. John's, NL

A1C 5S7

### The Dale Carnegie Course

Mark Baldwin and Associates

<http://www.newfoundland.dalecarnegie.com/>

The Dale Carnegie Course is designed to improve skills in human relations and public speaking using the Dale Carnegie Principals and practical exercises. These exercises included setting and achieving professional and personal goals and then giving a presentation every week.

**2002**

50 Birchview Dr.

Pasadena, NL

A0L 1K0

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## WORK EXPERIENCE

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### Research and Project Engineer

SEAformatics Group, Memorial Univeristy of Newfoundland

<http://www.seaformatics.ca/>

- Deployment and testing of sub-sea acoustic modems
- Software development on embedded Linux
- Investigation of sub-sea networking algorithms

**Mar 2010 – Present**

Prince Philip Dr.

St. John's, NL

A1C 5S7

### Software Engineer

Progress Software, formerly IONA Technologies

<http://www.progress.com/>

- Created a Requirement Tracability Matrix web application using Ruby on Rails
- Wrote a set of user interface guidelines to help avoid common mistakes, and increase inter-product consistency
- Fixed bugs and created demos for Apache ActiveMQ
- Bug fixing and feature development for Artix Data Services
- Produced and managed patches for the Artix product
- Bug fixing and new feature development for SonicMQ

**Jul 2007 – Dec 2009**

570 Newfoundland Dr.

St. John's, NL

A1A 5B1

### Cluster Systems Administrator

Google Inc.

<http://www.google.com/>

- Automation of tasks through the development of scripts and administration tools.
- Configuration of system and network parameters.
- Monitoring of system stability and performance.
- Ensuring 24x7 operation of cluster.
- Comprehensive documentation of procedures.

**Feb 2006 – Jun 2007**

1600 Amphitheatre Pkwy

Mountain View, CA

94043

### System Architect, Professional Services

Verafin Inc.

<http://www.verafin.com/>

- Software design and development.
- Researching and implementing new technology.
- Responsible for the architecture and design of the technical environments (servers, storage, database, middleware, software, network and desktop) for the various developed and integrated applications.
- Responsible for the management of the network, servers, and workstations.

**Jan 2004 – Aug 2005**

570 Newfoundland Dr.

St. John's, NL

A1A 5B1

**Software Developer (Work Term)**

Institute for Ocean Technology, National Research Council

<http://iot-ito.nrc-cnrc.gc.ca/>

- Connected a Visual Basic application to an internal C library for real time processing of 6D model positions
- Created an application to drive 3D actuators simulating wave movement.

**Sept 2003 – Dec 2003**

1 Kerwin Place

St. John's, NL

A1B 3T5

**Software Developer (Work Term)**

C-CORE

<http://www.c-core.ca/>

- Development in Java, CCS PIC-C, and Dynamic C
- Worked on a large project with a team of designers and programmers

**Jan 2003 – May 2003**

Morrissey Rd

St. John's, NL

A1B 3X5

**Systems Programmer (Work Term)**

Department of Computer Science, Memorial University of Newfoundland

<http://www.cs.mun.ca/>

- Created a Windows 2000 authentication DLL, allowing the department to offer Windows Terminal Services using secure one-shot passwords.
- Implemented source code revision control for the systems group

**May 2002 – Aug 2002**

Prince Philip Dr.

St. John's, NL

A1C 5S7

**Systems Programmer (Work Term)**

Department of Computer Science, Memorial University of Newfoundland

<http://www.cs.mun.ca/>

- Created shell scripts to automatically synchronize installed software and configuration files from one master server to slave servers across campus
- Wrote a technical report on automated system administration tools

**Sept 2001 – Dec 2001**

Prince Philip Dr.

St. John's, NL

A1C 5S7

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## VOLUNTEER ACTIVITIES

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**IEEE**

<http://www.ieee.org/>

- Currently treasurer for IEEE Newfoundland and Labrador Section
- Served as webmaster for IEEE Newfoundland and Labrador Section
- Publications Chair for 22nd Canadian Conference on Electrical and Computer Engineering (CCECE09)
- Member of the publications committee for the 17th International Engineering Management Conference (IEMC2005)
- Served as Vice-Chair Technical for Memorial University of Newfoundland's IEEE Student Chapter

**2000 – Present**

**St. John's Linux Users Group**

<http://www.slug.nf.net/>

Was An active member of the St. John's Linux Users Group. This involved giving regular seminars and organizing a moderately sized group.

**1998 – 2006**

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## OTHER INTERESTS

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**Photography**

<http://gkhphoto.com/>

Interested in photography, and have been maintaining a photo blog since February 2008.

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## SKILL SET

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**Programming Languages:** C, C++, Java, Python, Perl, Ruby, PHP, Shell Scripting, Regular Expressions

**Revision Control:** CVS, Subversion, Clearcase, Perforce

**Object Oriented Design:** UML, Design Patterns

**Web Technologies:** JSP, Ruby on Rails, HTML, CSS, JavaScript, XML, XSL, Web Services

**Build Systems:** Make, Ant, Maven, CruiseControl, Continuum