

# Matthew Stephan

Ph.D. Candidate and Adjunct Lecturer  
Queen's University  
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## SKILLS SUMMARY

- Very proficient interpersonal skills, that is, very outgoing, friendly, and approachable.
- Approaches all challenges with a tenacious and optimistic mentality.
- Extremely quick learner, that is, able to interpret and comprehend instructions given in either verbal or written form.
- Exceptional leadership abilities developed as Course Instructor, Head Staff at overnight camp, and as an Orientation Leader.

## WORK EXPERIENCE

### Research Assistant

Faculty of Engineering, University of Waterloo,  
Waterloo, Ontario

Sept 2006 - Dec 2006

- Created an Eclipse plugin that transforms Ecore models into feature models and vice versa.
- Developed a technical report on my findings.
- Began investigation into further extensions of the application.

### Systems Analyst

Deloitte Inc., Toronto, Ontario

Jan 2006 - April 2006

- Performed critical analysis on a major bank's testing framework and methods.
- Implemented a solution that automated tests that were previously accomplished manually.
- Created and presented a number of different technical presentations regarding my work and my findings.

### Software Engineering

Visa International, San Jose, California

May 2005 - August 2005

- Integrated contactless (smart) credit cards into web applications in order to make demonstrations for potential customers.
- Used JSP, JAVA, MYSQL, and XRI's to create prototypes of fully operational web applications.
- Worked independently and under minimum supervision.

### Software Developer

CheckFree Corporation, Waterloo, Ontario

September 2004 - December 2004,

May 2003 - August 2003

- Manufactured, for two work terms, financial software using Java, XML, Websphere, and SQL that performed logical actions for the graphical user interface.

- Utilized Extreme Programming and other techniques taught in school to ensure that the software was developed efficiently and was compatible with all operating systems.
- Participated as an equal member of the team such that I was assigned the same amount of work and responsibilities as many of the senior developers.

### **JR PC/Client Server Developer**

January 2004 - April 2004

CIBC - CIBC Technology, Toronto, Ontario

- Upgraded and maintained the CIBC Mortgages department's intranet site using JAVA, HTML, Dreamweaver, Flash, and JavaScript.
- Discovered and implemented many innovations to the department's intranet site, such as addition of side-navigation information and adding additional Flash technology.
- Volunteered for many subsidiary tasks such as upgrading department's legacy software.

### **Head Staff/Camp Counselor**

Camp Winnebagoe, Huntsville, Ontario

Counselor: Summer 2000, 2001, 2002;  
Head Staff: Summer 2007, 2008, 2009, 2010, 2011,  
2012, 2013

- Responsible for upwards of 16 staff and 90 campers belonging to my assigned unit.
- Speak publicly to and on behalf of my unit in front of 300+ campers and staff.
- Develop and organize a multitude of creative programs and activities intended for the campers to be entertained and bond with their peers.

## **EDUCATION**

- Candidate for Ph.D. in Computer Science, Queen's University, Kingston, Ontario, September 2009 – present
  - Finished coursework with a GPA of 4.20/4.30
  - Course Instructor for Operating Systems and Fundamentals of Information Structures and Software Engineering
  - Teaching Assistant on multiple occasions
- MAsc. in Electrical and Computer Engineering (Computer Software), University of Waterloo, Waterloo, Ontario, September 2007 – April 2009
  - Finished coursework with an 85.8% average
  - Coauthored Journal Article for Transactions of Software Engineering (TSE) and author of Technical Report on Ecore.FMP
  - Teaching Assistant for Software Testing & Quality Assurance course
- Bachelor of Software Engineering degree, Software Engineering Program, University of Waterloo, Waterloo, Ontario, September 2002 - April 2007
  - Relevant Courses: Software Abstraction and Specification, Algorithms and Data Structures, Logic and Computation, Concurrent and Parallel Programming, Software Project Management, Operating Systems, Databases.
  - Relevant Projects: Voice-Over IP Project, Accreditation Application Project, C++ Euchre Game, Java Capture the Flag Game, other Java and C++ projects.
- Ontario Secondary School Diploma, Thornhill Secondary School, Thornhill, Ontario, 2002

## **AWARDS**

- Ontario Graduate Scholarship; \$15,000; 2013-2014
- NSERC PGS D3 Scholarship Holder; \$63,000; 2010-2013
- Queen's Graduate Award, \$1000; 7x, 2011-present
- University of Waterloo Graduate Scholarship, Winter 2009
- Chosen as Class Valedictorian, Thornhill Secondary School, 2002
- Certificate of Merit in OAC English (Highest Mark in Grade), 2002
- Certificate of Excellence in OAC Computers (Highest Mark), 2002
- Certificate of Excellence Grade 12 Computers (Highest Mark), 2000
- Placed 1st in DECA Provincial Competition for Financial Services Management category, 2002  
Competed in category against 120 other contestants

## **ACTIVITIES & INTERESTS**

- Software Engineering Frosh/Orientation Leader 2003,2004,2005,2006,2007,2008
  - Selected, out of many candidates each year, to lead and help assist many of the new students coming into the Software Engineering Program. Required planning, determination, and enthusiasm.
- Worked part time for Axe Body Spray as an event leader at many of their promotional events
- Founding father and member of AEPi Fraternity at Waterloo
- Member of Board of Student Senators and Prefect Executive throughout tenure at Thornhill Secondary School
- Interests include
  - Health & Fitness, including investigating and understanding new trends and innovations
  - Social Media
  - Baseball and Football Statistics, such as sabermetrics and the economics of both the NFL and MLB

# UNIVERSITY OF WATERLOO CO-OPERATIVE EDUCATION RECORD

**MATTHEW DANIEL STEPHAN**

M ENGINEERING MASTERS: ELECTRICAL & COMPUTER ENG, COMPUTER SOFTWARE

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<b>WORK TERM</b>		<b>EVALUATION</b>
FALL 2006	<b>UNIVERSITY OF WATERLOO FACULTY OF ENGINEERING</b> WATERLOO RESEARCH ASSISTANT	EXCELLENT
WINTER 2006	<b>DELOITTE CONSULTING</b> TORONTO SYSTEMS ANALYST	EXCELLENT
SPRING 2005	<b>VISA VISA INTERNATIONAL</b> SAN JOSE, CA SOFTWARE ENGINEERING	OUTSTANDING
FALL 2004	<b>CHECKFREE CORPORATION CANADA</b> WATERLOO SOFTWARE DEVELOPER	EXCELLENT
WINTER 2004	<b>CANADIAN IMPERIAL BANK OF COMMERCE CIBC TECHNOLOGY</b> TORONTO JR PC/CLIENT SERVER DEVELOPER	OUTSTANDING
SPRING 2003	<b>CHECKFREE I-SOLUTIONS CORPORATION</b> WATERLOO SOFTWARE DEVELOPER	OUTSTANDING