

Sunny Ng

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SKILLS SUMMARY

- Strong leadership skills in management and delegation demonstrated in administrative roles in extracurricular activities.
- Programming experience in C, C++, C#, Java (Java SE and Java EE), ASP, SQL and HTML/CSS/Javascript.
- Creative problem-solving skills through previous job experiences.
- Outstanding interpersonal, oral and written communication skills.
- Experience in designing and drafting plans for software projects.
- Enthusiastic and quick to learn.

WORK EXPERIENCE

**August 2008 -
December 2008**

- **Interim Engineering Intern, Windows Mobile OS Team,**
Qualcomm Incorporated, San Diego, CA, USA
 - Designed, developed, implemented, and tested a GUI software tool that provides a visualization of memory allocations in a Windows Mobile build using C# and WPF in a .NET environment.
 - Supported the software project for its use in other teams in the company.
 - Tested performance of a memory bank on an embedded device using C.

**August 2007 -
December 2007**

- **Interim Engineering Intern, CDMA 2000 Data Services Software Developer,**
Qualcomm Incorporated, San Diego, CA, USA
 - Assisted in code changes in C to perform CPU profiling estimation on an embedded device.
 - Enhanced Broadcast Services embedded software functionality in C++ based on new requirements.

**January 2007 -
April 2007**

- **Software Developer - Device Group,**
Epson Canada Ltd., Scarborough, Ontario, Canada
 - Drafted project plan and documentation according to customers' requirements.
 - Researched and designed image content detection algorithms by using image processing techniques.
 - Designed, coded and thoroughly tested the libraries in C and C++.

**May 2006 -
August 2006**

- **Web / Software Developer - Application Services,**
Toronto Transit Commission - Information Technology Services, Toronto, Ontario, Canada
 - Added functionality to existing applications in Visual Basic used for procurement internally.
 - Updated specifications to existing ASP-based web applications.

ACTIVITIES & INTERESTS

**May 2008 -
August 2008**

- **Editor-in-Chief,**
[The Iron Warrior](#), University of Waterloo, Waterloo, Ontario, Canada
 - Reviewed and edited all articles and submissions for one of the most recognized student publications in Canada.
 - Made decisions to content selection and delegation of assignments.
 - Chaired weekly editorial board meetings and advisory board meetings while acting as the official representative of the newspaper.
 - Oversaw funds and kept track of the budget.

**May 2008 -
August 2008
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January 2009 -
April 2009**

- **Director,**
[Engineering Jazz Band](#), University of Waterloo, Waterloo, Ontario, Canada
 - Responsible for bringing the band outside of its faculty, making it recognized across campus and was able to secure funding from various sources
 - Recruited and coordinated members in the band.
 - Contacted external groups and served as a liaison for the band.
 - Scheduled and organized rehearsals and performances.

- Represented and promoted the band's events to the community.

**May 2005 -
April 2009**

- **Director,**
[University of Waterloo Engineering Society](#), Waterloo, Ontario, Canada
Over 20 positions held, highlights:
 - Webmaster (May 2005 - April 2009):
 - Updated website regularly to inform students of upcoming events and various listings.
 - Assisted groups affiliated with Engineering Society for web services, such as Engineering Federation Orientation Committee.
 - TSN/EOT Video Director (January 2009 - April 2009)
 - Coordinated and filmed highlights of Engineering Society events.
 - Student Life 101 Director (May 2007 - August 2007, May 2008 - August 2008)
 - Planned and organized a competition with various first-year engineering classes for prospective students.
 - Shadow Day Director (January 2008 - April 2008)
 - Coordinated with the Faculty of Engineering and volunteers to organize an event to showcase the school to prospective students.
- **Founder and Music Director of [HitzRadio.com](#)** - one of the biggest Internet radio stations with millions of tune-in hours per month.
- **Volunteered at [Artwalk on the Bay](#) to takedown event.**
- **Orientation Week Leader at University of Waterloo in 2005 and 2006.**
- **[FIRST Robotics](#) Pit Announcer in Waterloo and Greater Toronto Regionals in 2006.**
- **Playing in intramural Volleyball and Ball Hockey teams**
- **Royal Conservatory of Music: Grade 8 Piano, Grade 2 Rudiments**
- **Web-designing, blogging, listening to music, playing foosball and pool, watching movies, meeting new people, interest in social networking and Web 2.0 technologies.**

EDUCATION

**September 2004 -
April 2009**

- **Bachelor in Applied Science (BASC) Honours Computer Engineering Co-Operative Program,**
University of Waterloo, Waterloo, Ontario, Canada
Relevant courses: Communication Networks, User Interfaces, User-Centred Designs, Component-Based Software Engineering, Introduction to Cognitive Science, Embedded Real-Time Systems
Relevant projects: Designed and implemented various user interfaces in Java Swing and X11 using the MVC model; Developed a social-based media-lending system using an n-tired architecture with Java EE, MySQL and JBoss; Developed a Java-based system with MySQL for inventory management in a food establishment using RFID technology; Implemented a VoIP application using SIP protocol with Java Swing

AWARDS

- **Paul Plummer Award,** University of Waterloo Engineering Society "A"
Most coveted and prestigious award presented by the society, presented to those who "contributed to the benefit of the Engineering Society in such a manner to be outstanding and commendable."
- **President's Award,** University of Waterloo Engineering Society "A" & "B"
Given to students who made positive and lasting contributions to the society.
- **Lieutenant Governor's Community Volunteer Award,** Rick Hansen Secondary School
For outstanding achievement in volunteering and involvement in the community.