

Cindy Lau

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<http://individual.utoronto.ca/orca/portfolio.htm>

EDUCATION

2007 Bachelor of Applied Science and Engineering, University of Toronto
- Engineering Science (Biomedical Engineering Option)

WORK EXPERIENCE

May 2006 – May 2007
Toronto *Research Assistant – Bloorview Research Institute, Bloorview Kids Rehab*

- ◆ Conducted research and clinical trials to create a quantitative standard for muscle spasticity
- ◆ Developed software in VC++ .NET to control and interface with measurement devices
- ◆ Interacted with engineers, physicians, child patients and families to ensure safety and effectiveness of clinical trials

May-Aug 2005
Hong Kong *Engineering Trainee – Hideki Electronics*

- ◆ Designed and developed a commercial software product in Java, to provide a friendly interface for weather station components
- ◆ Compiled and edited user manuals for electronic products and software

Jan-Apr 2005
Toronto *Laboratory Assistant - Department of Pharmacy, University of Toronto*

- ◆ Prepared formulations to create polymer cancer-drug delivery systems
- ◆ Collected experimental data and conducted literature research to assist in analysis

May-Jul 2004
Beijing *Engineering Assistant - Motorola Beijing, Global Telecoms Solutions Dept.*

- ◆ Developed an indoor/outdoor GSM cellular traffic location methodology, improved positioning accuracy from several km to 200 metres
- ◆ Implemented algorithm into C++ application for testing with real-life data

Jun-Aug 2002
Hong Kong *Clerk - Asia Commercial Bank, Retail Banking Administration Dept.*

- ◆ Upgraded customer account database to enhance marketing projects
- ◆ Assisted in verifying client's credit status and loan approvals

Jul-Aug 2001
Hong Kong *Tutorial teacher - KUMON Center for young children*

- ◆ Individually led classes on mental development activities for pre-school children
- ◆ Interacted with parents to discuss progress and concerns for their child

TECHNICAL KNOWLEDGE

Programming:

- ☐ **Languages:** C++, VC++, Java, Matlab
- ☐ **API/Toolkits:** Direct3D, DirectX, Java Swing, Matlab mex and GUI development
- ☐ **IDE:** Visual Studio .NET, Dev C++, JCreator

Computer Applications:

- ☐ **Engineering:** Visual Studio .NET, Matlab, Simulink
- ☐ **Web Design:** Photoshop, Illustrator, Flash, Dreamweaver

Arts & Design: Experienced in graphic and web page design, newspaper and magazine publishing

Languages: Fluent in oral and written English, Cantonese and Mandarin. Basic Japanese.

SCHOOL PROJECTS

Business Plan for Advertising Service (Course project)

Jan–May 2007

- ◆ Wrote a detailed market analysis for an advertising service based on book jackets
- ◆ Conducted surveys, literature and statistics research, and contacted companies to quantify market potential
- ◆ Analyzed costs and demands to create financial projections

Autonomous Ball-sorting Machine (Full-year design project)

Sep–May 2003

- ◆ Developed electro-mechanical components, including entire structure, sensory and control hardware
- ◆ Collaborated with team members to create a professional proposal and project schedule, composed various technical reports, and presented finished prototype at a public demonstration.

EXTRA-CURRICULAR ACTIVITIES

Staff Artist – Crumpled Paper Magazine

University of Toronto, 2003-present

- ◆ Write and draw comics, and provide illustrations for articles
- ◆ Organize fundraisers and social events to promote magazine and create a friendly atmosphere for members

Executive (Art Director) - Chinese Engineering Students Association

University of Toronto, 2002-2005

- ◆ Designed memorabilia, posters and magazines for all club functions
- ◆ Involved in organizing various club events for over 400 members each year
- ◆ Acquired funds to finance events and member privileges

Senior in Charge - Community Service

Lakefield College School, 2001-2002

- ◆ Assisted in organizing all community service events in school

Senior in Charge - Library/Resource Centre

Lakefield College School, 2001-2002

- ◆ Promoted events to engage students' interests in reading and patronizing the library
- ◆ Performed library duties and assisted patrons in using library services

Volunteer - YWCA (Sham Shui Po Community Centre)

Holy Trinity College, 1999-2001

- ◆ Planned and organized district-wide events for promoting community awareness to different social issues

AWARDS

2005, 2006	Grand Prize	Anime North Souvenir Design Contest
2003	Second	Comic Competition - Footprint Newspaper & She Magazine
2002	Bronze	Governor General's Academic Medal
	\$5000 Scholarship	Ontario Professional Engineers Scholarship
	\$300 Scholarship	McLimont Engineering Scholarship
	Distinction	Canadian Open Mathematics Challenge
2001	Silver	Award for Volunteer Service - HK Department of Social Welfare
	Silver	Award for Outstanding Volunteer Service - YWCA (Hong Kong)
	Third	Chan Chee Yat Outstanding Student Scholarship
2000	Champion	New Generation Mobile Phone Design Competition - Ming Pao Newspaper

Transcripts and References available upon request