

LUI, MAN TING

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SKILLS SUMMARY

- Engage in multidisciplinary observation analysis and problem solving procedures to reduce cost or improve quality of existing system(s)
- Strong knowledge in computer assisted drawing programs using AutoCAD, Solid Work, Google Sketch-Up
- Well acquainted with computer oriented programming languages (MatLab, Objective-C, JAVA, HTML, SQL)
- Capacity to work under pressure, handle multiple projects simultaneously and in a variety of environments
- Innovator and strong desire to initiate experimentation

WORK EXPERIENCES

Waterloo Cases in Design Engineering – Case Study Development

Address: Engineering 5 Building 200 University Ave West, Waterloo, Ontario. N2L 3N1

Position: Case Study Developer (May 2011 – August 2011)

- Contacted professors for release material information suitable for teaching
- Requested company approval of material not infringing intellectual property
- Developed case studies for engineering professors to teach real world applications to students in class

Dreamcube – Entrepreneur

Address: Minota Hagey Residence 200 University Ave West, Waterloo, Ontario. N2L 3N1

Position: Mobile App Developer (January 2010 – April 2010)

- Applied human factors and cognitive ergonomics on user interface design of iPhone universal remote application
- Developed an iPhone module digital to analog convertor sending infrared signals to home entertainment hardware

Atomic Energy of Canada – Application Services

Address: 2251 Speakman Drive, Mississauga, Ontario. L5K 1B2

Position: Systems Analyst (January 2008 – April 2008, May 2009 – August 2009)

- Proposed software user interface design to project management software
- Reduced data retrieval time in SQL from one minute to five seconds

Fu Associates – Engineering Office

Address: Suite 111, 5200 Dixie Road, Mississauga, Ontario. L4W 1E4

Position: Engineer Assistant (July 2005 – August 2005)

- Drew floor plans using AutoCAD and labelled important features
- Provided recommendations to design implementations of HVAC systems into renovating offices

VOLUNTEERING

Imprint (University of Waterloo Newspaper) – University of Waterloo, Ontario

Position: Writer, Graphic Artist and Editor (January 2011 – present)

- Layout editor for cover and interactive content pages
- Wrote weekly column articles regarding international culture and their influence on society
- Drew informative graphics to illustrate components of innovative design in relation to the article

Chinese Professionals & Businesses (Various Events) – Mississauga, Ontario

Position: Event Coordinator (April 2009 – present)

- Floor manager for Chinese New Year Spring banquet, coordinating volunteer activities, stage performances and food provisions (February 2012)
- Provided Square One shopping mall attendants with food sampling Chinese New Year delicacy (January 2012)
- Ushered 10th annual badminton open challenge competitors to their respective courts (August 2010)

University of Waterloo Orientation (Engineering) – University of Waterloo, Ontario

Position: Leader (September 2010)

- Acquainted new engineering undergraduate students to the university environment
- Assisted lost students to desired locations across campus

EDUCATION

Candidate for Bachelor of Applied Sciences, Systems Design Engineering (2012), University of Waterloo, Ontario, September 2007 – present.

Relevant Courses:

- Cognitive Ergonomics, Conflict Analysis and Design Optimization in Probabilistic Uncertainty
- Designed waste energy harvesting water pump through heat sinks, wireless cane transmitting data for researchers on performance use, and streamlined layout of hospitals to reduce wait times

Ontario High School Diploma (Ontario Scholar), Glenforest Secondary School, Mississauga, Ontario, June 2007

Relative Comments:

- Enrolled under the “Enriched Academic Program”
- Achievement in Technological design

AWARDS AND SCHOLARSHIPS

- **Waterloo Engineering Competition**

Senior Design Challenge – 1st place, University of Waterloo, Waterloo, Ontario (July 2011)

- **Army Cadet Challenge National**

Army Cadet Challenge Competition – 2nd place, Borden, Ontario (December 2006)

- **Regional Architectural CAD Competition**

Skills Canada – 2nd place, Mississauga, Ontario (May 2006)

ACTIVITIES & INTERESTS

Other activities

- reading, drafting 3-dimensional objects, table tennis reading design blogs, tinkering with computer software, strategy analysis, drama, camping and scenario execution