JUDY HANWEN SHEN

+41 78 734 1301(CHE)
judyhanwen.shen@mail.utoronto.ca

University of Toronto - Bachelors of Applied Science and Engineering
Engineering Science Program: Electrical and Computer Option - GPA 4.0

SKILLS

Programming Languages: C, Python, C++, Assembly, Perl, TCL
Web Design : HTML, CSS, Wordpress
Tools and Applications : Photoshop, Illustrator, Perforce, Github, SourceTree

EXPERIENCE

EMBEDDED SYSTEMS ENGINEERING INTERN
Verity Studios, Zurich, Switzerland *August 2015 - Current*
Currently working on various layers of quadcopter and sensor code from low level drivers to user level applications. This project is focused around developing autonomous flying robots for entertainment purposes.

PROGRAM MANAGER INTERN
Microsoft, Seattle, Washington USA *May 2015 - July 2015*
Conceptualized, designed and shipped full implementation of suggested groups interface and algorithm in Outlook Groups mobile application. Worked closely with engineering, UI design, product marketing and user research teams to deliver full feature to production within a 12 week timeframe. Created framework and detailed solutions for increasing discoverability of Groups feature in Outlook Mail. Drove adaptation of Groups tool usage among large, diverse intern community at Microsoft.

SOFTWARE ENGINEERING INTERN
Intel (Formerly Altera), San Jose, California USA *May 2014 - Aug 2014*
Worked on High Speed Serial Interface transceiver team to design algorithms and tools to support FPGA development. Developed tool to automate flow of generating maps that connect physical circuit elements to software elements

RESEARCH INTERN
National University of Singapore *May 2013 - July 2013*
Worked in a team with a professor on developing hands-on demos/experiments that can assist the teaching of physics/engineering principles in schools, polytechnics and universities in Singapore.

PROJECTS

WALK HOME SAFE
Developed android application using Android Studio, Java and Github to empower women walking home alone in dangerous areas. The application uses a peer accountability system for friends to help keep one another safe.

AUTONOMOUS CANDLE DETECTION ROBOT
Designed and implemented modular algorithm for candlelight detection using Assembly on Microchip Controller. Fully constructed autonomous robot with multiple moving parts from simple materials.

REFERENCES

References available upon request