YAN REN

Phone: 514-430-3396 | **Email:** yan.ren2@mail.mcgill.ca
Address: 15 Apt, 2440 Madison Ave, Montréal H4B 2T6

OBJECTIVE

2017 Summer Co-op or Internship position in the field of Computer Information.
Available for four months starting from May 2017.

SKILLS

Languages: Java, Python, C/C++, VHDL, MATLAB	**OS & Tools:** Linux, Git, SQL and PostgreSQL,
Web: HTML, CSS, JavaScript (learning in progress)	Eclipse, Visual Studio, Pycharm, OpenCV, TestNG
GitHub: https://github.com/yan-ren	**Hardware:** Altera DE1 FPGA, Arduino, STM32F4 MCU

RELATED WORK EXPERIENCE

QA AUTOMATION INTERN - Kronos Canadian Systems Inc. - Montréal, QC   Sept 16 - Present

- Java programming for improving TestNG API automation framework
- Agile development of backend automation testing (REST API) under TestNG framework

SOFTWARE DEVELOPMENT INTERN - BioMindR, TandemLaunch Inc. - Montréal, QC   June 16 - Sept 16

- Python GUI by using PyQt, for converting, manipulating, and analyzing the data generated by Gnuradio-Companion
- Investigated the function of USRP board and achieved basic DSP in Gnuradio-Companion

RESEARCH STUDENT - Software Radio Lab, McGill University - Montréal, QC   May 15 - Dec 15

- Assisted research associates to implement wireless communication protocols
- Developed the software test tools using Visual Basic and performed functional and performance testing for various protocols of ESP8266 Module

EDUCATION & HONORS

Bachelor of Computer Engineering Co-op Program
McGill University, Montréal, Québec   Sept 2013 - May 2018(expected)

- Dean's Honour List and a cumulative GPA of 3.75/4.00   2013 - 2016
- Engineering Class of 1953 SURE Award   2015, 2016

RELATED PROJECTS

https://yan-ren.github.io/yan-profile   Dec 16

- Created a profile website using HTML, CSS, JavaScript, jQuery, to test the learning of web skills

OpenCV Face Recognition and Pose Estimation   Feb 16 - May 16

- Intro to Computer Vision course final project: in OpenCV C++, implemented Eigenfaces, Local Binary Pattern histograms and Bag of Visual Words for face recognition and pose estimation
- Worked in a team of 4, achieving top 3 among 10 groups

A multi-radio Communications System for Patient Vital Sign Capture   May 15 - Dec 15

- Implemented TCP/UDP protocol for ESP8266 inter-module transmission, using Arduino based on AT firmware and Lua based on NodeMCU firmware
- Investigated the maximum inter-module transmission ability of ESP8266 under AT firmware and NodeMCU firmware