YAN REN

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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*
Web: *HTML, CSS, JavaScript (learning in progress)*
GitHub: *https://github.com/yan-ren*
OS & Tools: *Linux, Git, SQL and PostgreSQL, Eclipse, Visual Studio, Pycharm, OpenCV, TestNG*
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*