

XU JI

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EDUCATION

MCGILL UNIVERSITY, CANADA – SOFTWARE ENGINEERING (B.ENG)

SKILLS

- Languages: C, Java, Python, Bash, Javascript, HTML, CSS, Node.js, Angular.js
- Software: Jenkins, Gerrit, Xcode, Visual Studio, SQL Server, Eclipse, Atom
- OS: Mac, Linux, Windows

PROFESSIONAL EXPERIENCE

SOFTWARE DEVELOPER INTERN, ERICSSON, MONTREAL – JAN 2016-MAY 2016

- Developed a Jenkins plugin which posts code coverage on Gerrit code review screen (Maven)
- Agile and Scrum development
- Developed interactive project info display using Python, Bash, JavaScript, CSS, HTML
- Module testing using JUnit

PERSONAL PROJECTS (DETAILS ON MY WEBSITE [HTTP://XU-JI.ME](http://xu-ji.me))

PERSONAL WEBSITE – 2016

- My personal website where shows all my passionate portfolio that designed and developed by myself.
- Web Full Stack Developer and Designer (javascript, HTML, CSS, jQuery, vue.js)

MYO_CHROMECAST_CONTROLLER (OPEN SOURCE) – 2016

- Published a npm module that let's you easily control chromecast playback with hand gestures using Myo armband.
- Node.js

HOME AUTOMATION PROGRAM – 2015-2016

- Developed a home automation system using voice recognition and gesture control.
- Usable on multiple platforms. The program will allow users to control lights, speakers and any bluetooth devices.
- Internet of Things Enthusiast (Python, JavaScript, Node.js, Angular.js, HTML, CSS)

SENTIMENT ANALYSIS – 2016

- A piece of software that determines whether the writer's attitude towards positive, negative, or neutral in a piece of text.
- Web Full Stack Developer (javascript, HTML, CSS, jQuery)

EV3 AUTONOMOUS CAR – 2015

- Developed an autonomous car that can do navigation with obstacle avoidance, identify blocks.
- Java, Lego EV3

MACHINE LEARNING STOCK MARKET PREDICTOR (OPEN SOURCE) – 2016

- Design and implement an algorithm combined with machine learning to predict the stock market index
- Automatically collects data from Yahoo Finance
- Python

SIMPLE OPERATING SYSTEM – 2016

- Implemented a simple operating system (shell, multithread, file system) by using C.

- C

BEER-PONG ROBOT – 2014

- Developed an automatic point and shoot beer-pong robot that has a success rate of 80%.
- Arduino

BREAKOUT GAME ON FPGA – 2016

- Designed and developed a classic breakout game on FPGA board using VHDL.
- VHDL

IOS NEWS READER APP – 2015

- Designed and developed this News Reader app “**麦大中文**” on IOS
- iOS Full Stack Developer (Objective-C, Swift)

AWARD

ENGINEERING STUDENT PHOTO CONTEST TOP 10, MCGILL UNIVERSITY – 2015

LANGUAGES

ENGLISH, MANDARIN

INVOLVEMENTS

MCGILL ROBOTIC - PROGRAMMER OF THE MARS ROVER TEAM

- Participate in the university rover challenge, hosted by the Mars Society, and the European Rover Challenge, hosted by the European Space Foundation and Planet PR Agency.