

My Web CV: <http://leehaesung.eu-gb.mybluemix.net/mycv>

LEE, HAESUNG (STEPHEN)

IOT DATA SW ENGINEER

[2/10 Orwell St.Potts Point.NSW.2011 \(IoT Sensors' Map\)](#)

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[My Tech Tutorial Blog](#) || [Twitter](#) || [Facebook](#)[My Skill Chart](#)[My GitHub](#)

PROFILE

I am a keen IoT inventor as a hobbyist in Sydney and very passionate about IoT and Algorithms such as MACHINE LEARNING, COMPUTATIONAL STATISTICS and so on. Also, I have spent almost every day of the past 15 years making robots or electronic inventions or computer programs.

SUMMARY OF MY SKILLS

Web Programing

Junior Level

IoT HW & SW

Mid - Senior Level

Data Science

Mid Level

SKILL

CHART

- Full-Stack
- Data Science
- [My Skill Chart](#)

HTML

IBM NodeRED

R

CSS

C & C++

Machine Learning

JavaScript

GPS & Sensors & PCB

GNU Octave

IBM Cloud Bluemix

Twilio(Phone Message)

Matlab

Linux

Arduino & Raspberry Pi

IBM Cloudant NoSQL

Python

Wireless & MQTT

IBM Apache Spark

Node.js

IBM Watson IoT

Computational Stat

EXPERIENCE

- Publications
- Open Source
- Meetup
- MOOC
- Leadership
- Volunteer
- Startup
- Developer
- Engineer
- [Portfolio Box](#)
- [Certificate Box](#)

Personal Software Activities, Sydney

2013-2016

Publications

[Smart Gas Valve For Safety](#)

Open Source Communities:

[IBM Node-RED](#) || [Twilio Python](#) || [IBM IoT Python](#) || [Python Sense Hat](#) || [Data Science Python](#) || [IBM NoSQL Python](#) || [Python Twitter](#)

MEETUPS:

[OzBerry IoT](#) || [Sydney IoT](#) || [Sydney Python](#) || [Big Data Analytics](#)

MOOCs:

[A Developer's Guide to the IoT by IBM](#) || [Statistical Learning\(Stanford University\)](#) || [Machine Learning\(Stanford University\)](#) || [The Data Scientist's Toolbox\(Johns Hopkins University\)](#)

TEAM LEADERSHIP:

[Term 1: Developing the Leader Within You\(Hillsong Leadership Evening College\)](#)[Term 2: Developing the Leaders Around You\(Hillsong Leadership Evening College\)](#)

Volunteer:

[Australia Salvation Army](#) || [IBM Open Source Helper](#) || [Hillsong City Care](#)
Recent Project: Invented [a MQTT-Gas-Valve For Home Safety](#)

[AKASMA](#), South Korea

2010-2011

CEO

- Designed a recycling can system to refund an electronic money.

- The product name was called "[Green Can-Money Sysetm](#)".
- Unfortunately it failed due to lack of marketing and finance.

[CAS Electronics](#), South Korea

2007-2009

Junior Product Developer

- Developed firmware(C&C++) for products: Weighing Controller & Indicator.
- Improved failure rate of production from 30% to 2% by factor of PB.

[Honeywell Korea\(JayCC Engineering\)](#)

2003-2007

Installation Engineer

- Installed & programmed FA Controllers such as PLC, SCADA, DCS.
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EDUCATION

- IT School
- English School
- Bachelor
- [Certificate Box](#)

[Sydney College of Business and IT](#), Sydney

2015-2017

- HTML, CSS, JavaScript, PHP, SQL, Visual Basic.net, Visual C++, C#, Software Testing & Deployment and Copyright Ethics.
 - Invented [a MQTT-Gas-Valve For Home Safety](#)
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[Stepone Language College](#), Sydney

2012-2014

- Improved my English Skills in Grammar, Writing, Speaking, English Conversation and Australian Accent.
 - Had a working holiday experience to improve my English skill.
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[Seoul National University of Technology](#), South Korea

2007-2009

Bachelor of Control and Instrumentation Engineering (**4.0 GPA**)

- Learned C Programming, Intelligent Control(Fuzzy Control), Modern Control(Neural Network), Automatic Control(PID), Digital Signal Processing, Electronic & Electric design.
 - Invented a patent of [Oxygen generator for soil \(Korea Pat: 10-0734438\)](#)
 - Awarded Korea Ministry Award of [Oxygen Generator System for soil](#)
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