

HAESUNG LEE

IOT DATA SW ENGINEER

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

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llachasma@gmail.com

+61432399841

[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

CSS

JavaScript

IBM Cloud Bluemix

Linux

Python

Node.js

IBM NodeRED

C & C++

GPS & Sensors & PCB

Twilio(Phone Message)

Arduino & Raspberry Pi

Wireless & MQTT

IBM Watson IoT

R

Machine Learning

GNU Octave

Matlab

IBM Cloudant NoSQL

IBM Apache Spark

Computational Stat

EXPERIENCE

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

Personal Software Activities, Sydney

2013-2016

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](#)

[AKASMA](#), South Korea

2010-2011

CEO

- Designed a recycling can system to refund a electronic money.
- The product name was called "[Green Can-Money Sysetm](#)".
- Failed my own business for marketing and getting fund.

[CAS Electronics](#), South Korea

2007-2009

Junior Product Developer

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

Honewell Korea(JayCC Engineering)

2003-2007

Junior Installment Engineer

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

EDUCATION

- IT School
- English School
- Bachelor
- Certificate Box

Sydney College of Business and IT, Sydney

2015-2017

- Learned HTML, CSS, JavaScript, PHP, SQL, Visual Basic.net, Visual C++, C#, Software Testing & Deployment and Copyright Ethics.

Stepone Language College, Sydney

2012-2014

- Improved my English Skills such as Grammar, Writing, Speaking, English Conversation and Aussie Accent.
- Had a working holiday experience to improve my English Skill.

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