LEE, HAESUNG (STEPHEN)

2/10 Orwell St,Potts Point,NSW,2011

Download PDF

achasma@gmail.com
+61432399841
My Tech Tutorial Blog
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

4 Languages

- English
- Korean
- Japanese
- Chinese

Web Programing

Junior Level

Data Science

Mid Level

IoT HW & SW

Mid - Senior 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	Twillo(Phone Message)	Matlab
Linux	Arduino & Raspberry Pi	IBM Cloudant NoSQL
Python	Wireless & MQTT	IBM Apache Spark
Node.js	IBM Watson IoT	Computational Stat

EXPERIENCE

- Teacher
- Startup
- Developer
- Engineer
- Publications
- Open Source
- Meetup
- MOOC
- Leadership
- Volunteer
- Portfolio Box
- Certificate Box

RobotClass, Sydney — November 2016-Present

Teacher

- Teaching kids basic math, basic robotics, and Scratch programming

AKASMA, South Korea — 2010-2011

CEO

- Designed & developed a recycling can system to refund an electronic money.
- Invented a patent of Oxygen generator for soil (Korea Pat: 10-0734438)
- The prodcut 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.

Honewell Korea(JayCC Engineering) — 2003-2007

Installation Engineer

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

Summary of Sotware Acitivities, Sydney — 2013-Present

Publications

- PID Control For CPU Temperature of Raspberry Pi
- A smart gas valve for home safety by MQTT
- A smart JPEG camera for home security by using M2M Communication

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:

- Developed PID Control For CPU Temperature of Raspberry Pi
- Invented a MQTT-Gas-Valve For Home Safety
- Developed a IBM Watson Visual Recognition sample Face Detection app

EDUCATION

- IT School
- English School
- Bachelor
- Certificate Box

Sydney College of Business and IT, Sydney — 2015-Present

- HTML, CSS, JavaScript, PHP, SQL,
Visual Basic.net, Visual C++, C#,
Software Testing & Deployment and Copyright Ethics.
- Developed PID Control For CPU Temperature of Raspberry Pi
- Invented a MQTT-Gas-Valve For Home Safety
- Developed a IBM Watson Visual Recognition sample Face Detection app
- Made an IoT Tech Blog of 82 countries' visistors.

Stepone Language College, Sydeny — 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.

Seoul National University of Technology, South Korea — February 2007

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

- Learned C Programing, 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

Haesung Lee — achasma@gmail.com — +61432399841