



Peter Lee

My research interest includes Data Infra, Data Science, Backend, iOS and IoT. I focus on big data and data infra since 2015. From 2017, I started a new research area in deep learning. Contributor of TensorFlow, Rocket.Chat and Nvidia Jetson community and other open-source projects.



Taipei, Taiwan

peterlee0127@gmail.com See more at my [Website](#)

Experience

Public Digital Innovation Space (PDIS) - Software Engineer, August 2017 - Present



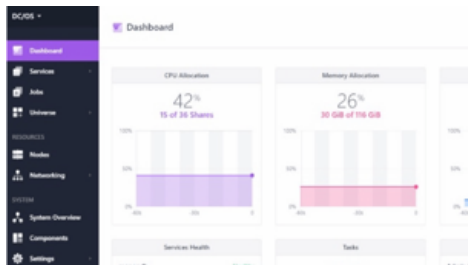
PDIS is a government organization in Taiwan, it also has another name: Executive Yuan - Ministry of Digital - Audrey Tang's Office. We use new technology to improve public participation and open government. We want to increase citizen participation, so we set up a video streaming during meeting. Citizen can join meeting and share their experiment anywhere. They only need to submit a question to sli.do(a real-time comment system). I am a member of code team and video team. I developed many tools, like PDIS Line Bot, A tool to synchronize Google and Outlook data. I also maintain our server, Sandstorm, Rocket.Chat and other services.

Nexdoor (91 App) - iOS Engineer, Jan 2015 - Feb 2016



Nexdoor is a famous App company in 2013, we build iOS/Android/Web for the enterprise. I was an iOS Engineer Intern when I was an undergraduate student. I developed some interesting project, like Geofence App, LBS Service framework and customize UI. In 2016, most of the employee join new company 91 app.

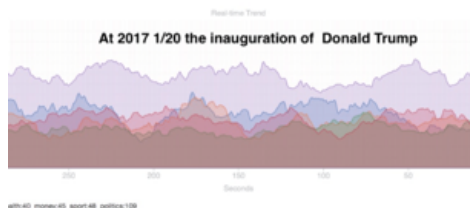
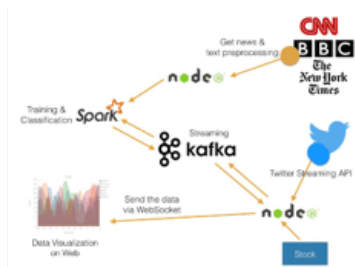
Publication



Implementation of Lambda Architecture: A Restaurant Recommender System over Apache Mesos

Advanced Information Networking and Applications (AINA) 2017 IEEE 31st International Conference

A Lambda Architecture at DC/OS, using Spark, Spark Streaming, Kafka, Hadoop HDFS. [Full Text](#)



Stock market analysis from Twitter and news based on streaming big data infrastructure

Awareness Science and Technology (iCAST) 2017 IEEE 8th International Conference

Real-time trend analysis by twitter, using Spark, Spark Streaming, Kafka, Classification Data and Visualize on Web. [Full Text](#)

Real-time Trend Analysis of Streaming Twitter and News Based on Big Data Infrastructure

電子情報通信学会-講演論文 信学技報, vol. 117, no. 184, SC2017-13, pp. 1-6, 2017年8月.

SC2017-13 2017-08-18 (SWIM, SC) [Full Text](#)

Selected Project

PDIS Line Bot (At PDIS)

PDIS Line Bot provides Audrey Tang's Calendar to PDIS member. We can type 'au cal today', chatbot will return Tang's schedule. Bot also support another format. Like 'yesterday, next Monday, 5/20' The Bot can send a push notification, it sends a message from other services. Like a reservation system sends appointment information to PDIS staff.

EWS-Calendar (At PDIS)

EWS-Calendar generate API server for our Reservation system and Calendar. It syncs our Microsoft Exchange Server Calendar to Google Calendar. For Reservation system and Calendar, we need to get real-time Calendar data. It extracted recent Events in Outlook Calendar to two JSON files. Public one generated for other API. Private one only provides PDIS Line Bot to access.

Selected Skills

Data

Spark
Mesos
Kafka
Hadoop
Python
Scala
ELK

Backend/Web

Node.js
Mongodb
Webpack
Jquery
Sass

General

Git
Vim
Shell
Docker

Selected Awards

Nvidia Jetson developer community contributor

[Nvidia Jetson developer community contributor](#)

Porting TensorFlow for Nvidia Jetson.

Thanks for Nvidia send a free Nvidia GTX 1080Ti for me.

TensorFlow Contributor

Porting TensorFlow to Nvidia Jetson. Repository [tensorflow-nvjetson](#) #19075, #17394

Rocket.Chat Contributor

Update and patch Rocket.Chat for Sandstorm. Due to there is no official build since 2017. I started to fix some issues. Like a push notification can't pass Sandstorm's container and auth issues.

Education

University Of Aizu, Fukushima, Japan.

2016 March - 2017 March Master Degree of Computer Science. Double Degree Program.
Attendee of these conference in Japan.
Line Dev Day 2016. Shibuya, Tokyo
Line Dev Day Pre-Event - Student Day 2016 8/28

Tamkang University, Taipei, Taiwan.

2015 - 2017 Master Degree of Computer Science. Cloud Computing Lab.
2011 - 2014 Bachelor of Engineering (B.E.) Computer Science. Embedded System Lab.