

KUANG-HSUAN LEE

(+1)858-336-1540 ◇ light11470617@gmail.com ◇ 180 Brannan St, San Francisco, CA 94107

<https://light0617.github.io/> ◇ <https://www.linkedin.com/in/khl1147/>

EDUCATION

University of California - San Diego

Sep 2016 - Mar 2018

M.S. Computer Science and Engineering

National Taiwan University

Sep 2012 - Jan 2016

B.S. Computer Science & Information Engineering: GPA 4.14/4.3 (top 5%)

M.S Finance (focus on Financial Engineering): GPA 4.15/4.3

EXPERIENCE

Yelp Inc.

San Francisco

Ads Machine Learning Engineer

Aug 2019 - present

- Brought several paper ideas to the ads prediction roadmap.
- Improved **RPO 5%** for restaurants by Designing a new framework for Ads Point Search Recall and presented it in front of 50 engineers.
- Migrated categorical Historical Features from **Hadoop** to **Spark** for Ads targeting model and applied time delay function and **XGBoost** model to improve **CTR** prediction.
- Developed Yelp Delivery feature for Ads with **ElasticSearch**, **Java** and **Python**.
- Designed and implemented a new distance place recall framework with **pandas**, **data analysis**.
- Utilized Spark to do feature verification batch for **Ads targeting model**.
- Improved offline evaluation system for offline evaluation by replaying log data.
- Presented six recommendation system **papers** for Ads team and presents papers to improve productivity.

Hitachi Vantara

Santa Clara

Software Engineer

May 2018 - Aug 2019

- Top contribution engineer award in Hitachi in 2019.
- Designed, developed and deploy a real-time log tracking web application with **Vue.js**, **GoLang**, **MongoDB**, **GraphQL** and **Elasticsearch**.
- Developed the front-end and back-end (**Restful APIs**) features for security services with **Java Spring Boot** and deployed to production with **Docker**.
- Integrated Keycloak into existing core UI product and developed a prototype for backend.
- Developed the prototype for Infra App Manager with **React.js**.
- Developed Selenium Webdriver and Java for **UI Automation**.

PROJECT

Fake Chinese Word Generation for Art Exhibition

Nov 2019 - Jan 2020

- Collaborated with a student from School of Visual Arts to apply Variational Autoencoder Generative Adversarial Network (**VAE GAN**) to generate a new Chinese word and do words morphing

Cryptocurrency Dashboard

Sep 2018 - Oct 2018

- **Github:** github.com/Light0617/CryptocurrencyDashboard
- Created a real-time cryptocurrencies dashboard for portfolio management [MongoDB, Express, React, Redux and Node.js]
- Developed scalable ETL data pipeline for streaming cryptocurrencies data [Kafka, Kafka Streams, Cassandra]

SKILLS

Machine Learning: deep learning, recommendation system, gradient boosting

Domain Specific: Spark, Tensorflow, AWS, ElasticSearch, Jupyter

Backend: Java, Python, C++, Golang