

Leon Mak

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EDUCATION

- **National University of Singapore**

Aug. 2015 – Jul. 2019

Bachelor of Science in Computer Science; GPA: 4.21/5.00

Focus Area: AI, Networking & Distributed Systems

EXPERIENCE

- **Kaliber.ai**

San Francisco, CA

Software Engineer Intern

Aug 2017 - Jul 2018

- **Backend Development & DevOps:** Deployed RESTful APIs on Google Cloud Platform & Amazon Web Services. Expose API endpoint for classification models using Flask & Django. Served machine learning models using Apache Kafka & Kubernetes to load balance incoming requests.
- **Speech Recognition Pipeline:** Develop neural network models for accent and emotion classification using Keras. Increase audio labelling efficiency by suggesting bounds & labels in user interface built with React & Webpack.
- **Image Recognition Pipeline:** Data ingestion with Cameras on Raspberry Pi devices, Bash scripting workflows. AWS Lambda for realtime notifications with DynamoDB.

- **Visenze**

Singapore

Software Engineer Intern

May 2017 - Jul 2017

- **Internal Tools:** Developed dashboards for machine learning model management and Ads campaign experiments. Developed Ad taxonomy visualizations for business analytics using jQuery.

- **Google Summer of Code**

FOSSAsia

Participant

May 2016 - Jul 2016

- **Visualizations:** Develop front-end dashboards for distributed twitter scraper, open source tweet wall web application for events.

PROJECTS

- **Deal Basin:** iOS app to match people who want to redeem deals together. Made with Swift 4, golang backend.
- **1our.today:** Site for university researches to find student participants. Made with Node.js, React, PostgreSQL.
- **Drop In:** Progressive Web App to post nearby events, displayed on a map. Made with Node.js, React, PostgreSQL.

HACKATHONS

- **HLTH Hackathon**

University of Louisiana Sponsor Prize 1st

Opioid Crisis Tracker - visualising & predicting overdose hotspots

May 2018

- **DeveloperWeek Hackathon**

MyScript Sponsor Prize 2nd

DoodleDesign - transforming hand drawn user interface components into code

Feb 2018

- **API:World Hackathon**

Overall 1st & Back4App Sponsor Prize 1st

Remotely - tracking remote service providers

Sep 2017

LEADERSHIP ACTIVITIES

- **NUS Enactus (Social Entrepreneurship)**

Marketing Director

Project Lead (coding 4 children) - conducting primary school programming workshops

2016-2017

PROGRAMMING LANGUAGES & TECHNOLOGIES

- Python, Javascript, Java, Golang, C++, SQL, Swift
- AWS, GCP, React, Kafka, Docker, Kubernetes