Leon Mak

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Experience

Indeed.com   Senior Software Engineer   Singapore, Jul 2019 - Mar 2023

- Worked on the apply form flow driving millions of Indeed.com hosted job applications under International Markets
- Increased lift in thousands of job applications in non-US markets like Japan, in tens of thousands of USD per month
- Designed question answer prefilling features in international markets using key-value store AWS DynamoDB
- Created data pipelines for extracting keywords from semi-structured data, collaborating with Data science team

- Worked on Employer Engagement Customization ETL data pipelines for supporting marketing team campaigns
- Increased employer spending rates on sponsored job campaigns and retargeting of eligible employers
- Created self-serve platform to create data transfer tasks to Marketo platform for email marketing efforts
- Built on React.js with GraphQL API, tasks integrated with Java services and data stores like MongoDB, and MySQL

Kaliber Labs   Software Engineering Intern   San Francisco, Aug 2017 - Jul 2018

- Serve speech recognition models using Apache Kafka to load balance incoming requests
- Built speech recognition application and RESTful API deployed on Google Cloud Platform & Amazon Web Services
- Built neural network models for accent and emotion classification using Keras
- Increase audio labeling efficiency by suggesting bounds & labels in user interface built with React & Webpack

Visenze   Software Engineering Intern   Singapore, May 2017 - Jul 2017

- Built internal tools to help algorithms team version control machine learning models
- Built front-end dashboard for managing Ad Campaign experiments and data analysis
- Built tool for business analytics team to visualize Ad taxonomy keywords using jQuery

Education

National University of Singapore (NUS)   Aug 2015 - Nov 2019

- Bachelor of Computing (Computer Science) Undergraduate
- Focus areas: Artificial Intelligence, Networking & Distributed Systems

NUS Overseas College Silicon Valley   Aug 2017 - Aug 2018

- Stanford University: CS229 Machine Learning

Languages & Technologies

Backend: Python; Java, Spring Boot; GraphQL; AWS DynamoDB; SQL; NoSQL(MongoDB); Bash; Docker;
Frontend: JavaScript(Node.JS, React, Typescript); HTML; CSS;