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# Yifan Li

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## PROFESSIONAL EXPERIENCE

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### Tencent Inc., Palo Alto, California

Sep. 2018-Jan 2019

*Senior Software Engineer in Medical AI Lab*

- Designed and implemented User Management System with OAuth and JWT for AI Lab ECG Labeling and NLP Patient Service systems using Node.JS, Express, Java.
- Proposed and prototyped Clinical Management Tool to enter, manage and visualize clinical data and do performance evaluation in accordance with FDA regulation.
- Built data extraction and visualization tool for ECG heartbeat data in Python, with WFDB as Gold Standard to serve as training material for RNN and CNN models.
- Enhanced NLP front-end using Angular, Typescript, C3 with dynamic multi-tab capabilities

### PayPal Inc., San Jose, California

Oct. 2014-Sep. 2018

*Senior Software Engineer in Customer Engagement Platform*

- Designed and developed Google Ads streaming service using Spark Streaming, migrated APAC Ads traffic to in-house service which saved company \$40 million subscription fee annually. Conducted full E2E load and performance testing before serving the real traffic.
- Proposed and implemented rollback mechanism of Ads Contact History to sync with contact history service and improved and stabilized performance of HBASE Load and make HDFS write Asynchronously.
- Conceptualized and Implemented Access Control and Audit Logging for Campaign Service.

*Software Engineer in Core Payments Platform*

- Migrated to asynchronous service with Long Term Architecture framework, designed and implemented Asynchronous Data Store service to serve the framework
- Designed and Implemented Apple Pay flow for next Generation payment framework.
- Took ownership of UK Credit Installments, fully tested all scenarios E2E with functional test cases

## EDUCATION

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**Columbia University**, New York, NY

Feb. 2013

M.S. in Computer Science

**Beijing University of Posts and Telecommunications (BUPT)**, Beijing, China

Jun. 2011

B.S. in Telecommunication Engineering and Management with 1st class Honor

## PATENT

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*Enabling secure transactions with an underpowered device*

U.S. Patent Application No. 14/664,769

## TECHNICAL SKILLS

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Programming: Java, Python, C, C++, R, PHP, HTML/CSS, SQL  
Tools: Eclipse, IntelliJ, Git, Maven, PostgreSQL