

Yuke Zhang

(213)-235-8132 | Los Angeles | yuke@usc.edu | www.linkedin.com/in/yuke-zhang-coco

EDUCATION

University of Southern California

Master in Applied Data Science

Los Angeles, CA

Aug. 2021 – May 2023

University of Virginia

Bachelor of Arts in Statistics Minor in Computer Science, GPA:3.84/4.0

Charlottesville, VA

Aug. 2016 – May 2020

EXPERIENCE

Full-stack Software Development Engineer Intern

May 2022 – Aug. 2022

Meta Platform

Menlo Park, CA, U.S.

- Independently designed and constructed **new features** in **Facebook** APP from back-end data to front-end UI, greatly enhanced the efficiency of product promotion in **Facebook groups**
- Gained mastery in building back-end data structure using **hack**, developed the front-end UI using **bloks**
- Successfully launched **multi-scheduled async jobs** with complex logic for sending **notifications** properly
- Held a testing session for the feature for presentation and contributed in migrating team project with new API

Machine Learning Engineer Intern

Nov. 2020 – June 2021

Netease Music

Zhejiang, China

- Comprehended the algorithm of Paddlepaddle developed by Baidu, mastered the use of jieba and Paddle lite APIs
- Used **Bag of Word** as student model and **Ernie-1.0** as teacher model to distill the data and optimize model
- Launched personal project with outstanding performance by increasing the accuracy from **86.6%** to **89.3%**
- Produced an iOS app using **Objective-C** for an offline language classifier that utilize the model using Paddle-Lite for marketing department to filter millions of improper comments in the Netease Music App

Data Analysis Intern

June 2019 – Aug. 2019

Industrial and Commercial Bank of China

Zhejiang, China

- Collected effective dataset and dug for more alternative information to enhance the accuracy of profiling users
- Analysed key factors that would influence the decision-making process of potential customers
- Used **Lightgbm** model to conduct **five-fold cross-validation** tests and verified the correlation among features
- Visualized analysis results, generated executive reports to the management so as to improve the bank's commercial efficiency of telemarketing and lower comprehensive costs by minimizing the target group

PROJECTS

College Textbook Website | Web developer

Aug. 2019 – Jan. 2020

- Designed the database schema under the rule of 3NF and used **phpMyAdmin** for entering initial data
- Implemented the function of searching and retrieving information from the database using **JQuery** and **Ajax**
- Separated the user privilege in different account type using **Javascript**
- Used **Mysql** as the main database and used **PHP** for interacting with the database
- The website link is <https://www.cs.virginia.edu/~mev8vy/CollegeTextbookDb/login.php>

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Objective C, SQL (Postgres), JavaScript, HTML/CSS, R, Hack, Bloks

Frameworks: Firebase, MySQL, Paddlepaddle, Django

Developer Tools: Git, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Eclipse, Neo4j, Tableau