

Yang Li

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EDUCATION

NEW YORK UNIVERSITY

Expected 2021 | New York

MS IN COMPUTER ENGINEERING

GPA: 3.8 / 4.0

TONGJI UNIVERSITY

July 2019 | Shanghai

BENG IN SOFTWARE ENGINEERING

Major GPA: 91 / 100

COURSEWORK

UNDERGRADUATE

Spark Programming: (A)

(Top 1st/164 in the Spark speed)

Processed data from DBLP using Spark & Spark Streaming, also compared data writing speed in HDFS and Cassandra KVS.

Micro-Service Arch and SOA: (A)

Cooperated with classmates to build a micro-service system facing business based on Spring Cloud and Spring Boot using new technology stack: Docker, Eureka, Zuul, Ribbon, RabbitMQ...

Raft in Go: (A)

Used Go to implement Raft Consensus Algorithm in fault-tolerant distributed systems.

SKILLS

CERTIFICATIONS

2019, Coursera

UIUC • Cluster Analysis in Data Mining

PROGRAMMING

Python • Java • Scala

C • C++ • Go

IOS DEVELOPMENT

Swift • Objective-C

AWARDS

Tongji University

2018 Excellent Student (Top 5%)

2018 1st Class Scholarship (Top 5%)

2017 Excellent Student Cadre (Top 1%)

2017 3rd Class Scholarship

Mathematical Contest in Modeling (int'l MCM)

2017 Meritorious Winner

EXPERIENCE

MORGAN STANLEY | TECHNOLOGY SUMMER ANALYST

July - Sep 2018, extended: Jan - June 2019 | Shanghai

Talos Project: Used machine learning algorithms (NLP, One-Class SVM) to detect malicious commands in Linux.

- Loaded data in multithreading from NFS among firm.
- Got every available commands' manual page to get the corpus and build LSI Model. Used NLP to remove stop words.
- Used AdaBoost to detect outlier in One-Class SVM.

Extended: Used Go, Docker to refactor policy in Technology Access Management.

- Helped optimize the workflow of Technology Access Management.
- Services integrated by executing queries when policy decisions are needed.
- New Policy Agent is container-packaged, dynamically-scheduled and microservices-oriented.

STATE GRID CORPORATION OF CHINA | IOS DEVELOPER

Jan 2018 | Shanghai

Power at Hand Project: Co-built the official iOS App in App Store and added several views in the complicated app. Used several design patterns, MVC architecture and RESTful API to fit different provinces' situations in China.

SAP | VT INTERN

June 2017 - Jan 2018 | Shanghai

TONGJI UNIVERSITY | PRESIDENT OF TONGJI APPLE CLUB

Aug 2014 - June 2019 | Shanghai

- iOS Club, Apple China, 2018
An iOS app for iOS Club members communication in Greater China cooperated with Apple Inc.
- 2nd prize in CCCC, Apple & ZJU, 2019
An iOS app shows Chinese History in Map in the only official contest held by Apple outside US.
- 3rd prize of Penta-Hackathon, Microsoft Research Asia (MSRA), 2016
An iOS app providing a notification to programmers for bad sitting posture to have a rest by Kinect Skeletal Tracking.

RESEARCH

UNIVERSITY OF OXFORD | RESEARCH ASSISTANT

Oct 2018 - Sep 2019 | Oxford

Worked with Chris Xiaoxuan Lu to build a Face and Speech Recognition System with surveillance cameras and microphones. Paper published in top tier CS conference.

- Proposed a method using Wi-Fi appearance information to label images and audio automatically in the wild by Python programming.
- Designed and implemented a pipeline framework to label capturing images and fine-tune the model.

PUBLICATIONS

- [1] C. X. Lu, **Yang Li**, Y. Xiangli, and Z. Li. Nowhere to hide: Cross-modal identity leakage between biometrics and devices. In *The Web Conference (WWW)*, 2020.