

# Yang Li

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## Education

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### New York University

M.S. in Computer Engineering

New York, NY

09/2019 - 06/2021

### Tongji University

B.Eng. in Software Engineering

Shanghai, CN

09/2015 - 06/2019

## Experience

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### Tapad

Software Engineer Intern

New York, NY

06/2020 - 08/2020

- Generated unique ID using LSH algorithm to keep cluster identification consistent in weekly device graph.
- Added Scala to StringTemplate4, an open-source template engine for generating formatted text output.
- Combined StringTemplate and LSH to Spark job and Apache Airflow, built and ran end-to-end test.

### University of Oxford

Research Assistant

Oxford, UK

01/2019 - 09/2019

- Built a face and speech recognition system with surveillance cameras and microphones.
- Developed a method using WiFi appearance information to label images and audio automatically in the wild.
- Designed and implemented a pipeline framework to label captured images and fine-tune the model.

### Morgan Stanley

Software Engineer Intern

Shanghai, CN

06/2018 - 01/2019

- Applied machine learning algorithms (NLP, One-Class SVM) to detect malicious commands in Linux.
- Used Go and Docker to refactor the original policy agent into a new container-packaged, dynamically-scheduled and microservices-oriented version in Technology Access Management.

## Projects

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### Apple & Tongji University

iOS app for apple club members' communication in Greater China

01/2019 - 01/2020

- Developed an iOS app named 'Student Club' on sale which is used by hundreds of universities' clubs in China.
- The app has the function of posting news and publishing activities which can be integrated with iOS Calendar.
- Designed role-based access control (RBAC) to manage users' authorization.

### Penta-Hackathon, Microsoft Research Asia (MSRA)

Universal app to remind bad sitting posture using Kinect Skeletal Tracking

11/2016

- Designed a convolutional neural network to recognize bad sitting postures.
- Developed iOS and web apps to send notifications on bad sitting postures and interact with users.

## Skills

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- **Programming Languages:** Python, Scala, Java, Go, C/C++, C#, HTML, CSS, JavaScript
- **Development:** iOS, React, Spring, Django, Flask, Bootstrap, Docker, SQL, CI/CD, Airflow
- **Big Data and Machine Learning:** Hadoop, Spark, BigQuery, PyTorch, TensorFlow
- **Others:** L<sup>A</sup>T<sub>E</sub>X, Bash, Linux/macOS, Git, Vim, metaprogramming

## Publications

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Chris Xiaoxuan Lu, **Yang Li**, Yuanbo Xiangli, and Zhengxiong Li. Nowhere to Hide: Cross-modal Identity Leakage between Biometrics and Devices. In *The Web Conference (WWW)*, 2020.