

# QI GAO

## Data Scientist

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📍 Dallas, Texas

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## INTERNSHIP

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### Android Developer

#### IQIYI.com Inc

📅 Summer, 2017

📍 Beijing, China

- Researched on daemon process and wrote a demonstration to prevent the program from being shut down.
  - Wrote a demonstration to marquee effect.
  - Tested functions of video platform basing on different TV boxes.
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## EDUCATION

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### Master of Computer Science

#### University of Texas at Dallas

📅 Expected December 2019

- GPA 3.22/4.00

### Bachelor of Computer Science

#### University of Texas at Dallas

📅 January 2016 – December 2018

- GPA 3.48/4.00
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## RELATIVE COURSES

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- Statistical for Data Science
- Database Design
- Human Computer Interaction
- Machine Learning
- Web Programming Languages
- Network Security

## PROGRAMMING SKILLS

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- Languages: Java, C++, Python, SQL
- Web Development: HTML/CSS/Javascript, Java Web
- Data Science: R
- App Development: Android Development, Windows Form
- Network: TCP/IP protocol, http/https
- Computer Skills: Word, PPT
- Good Understanding of Blockchain Theory and Applications

## LANGUAGES

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- English
- Mandarin

## PROJECTS

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### Ethereum Project

📅 Spring, 2019

- Utilized R to analyze the data of several tokens of Blockchain.
- Determined the best fit distribution to the number of buys and sells that a user makes.
- Created layers of transactions of increasing amounts and then find the correlation between these layers and different features in the data.
- Created a linear regression model to see if we can model price return based off of block chain features and purchase patterns.
- Wrote a detailed report providing good visuals to explain each step in the solution.

### Person Tracking

📅 Summer, 2017

- Developed, modified and implemented robust object tracker by combining motion and appearance information to learn deep association metrics.

### One Shot Learning

📅 Summer, 2017

- One shot learning is the promising approach to learn good feature when little data is available.
- Achieved 92% accuracy on omniglot dataset using Siamese network with Bayesian optimization.

### Automatic Defect Inspection of solar farm using drones

📅 Summer, 2017

- Regular inspection of solar farm due to its wide size is strenuous.
- Developed a model to classify and localize defect on thermal images captured by drones.

### Anomaly detection using Auto-Encoders

📅 Summer, 2017

- Developed a model to learn regular patterns from sensor data and detect unusual pattern.

### Early Warning Fault Detection and Identification

📅 Summer, 2017

- Developed an LSTM based model to forecast and detect outlier from sensor data.
- Further, classified the given signal into one of the type of outlier.

### Sentiment Analysis

📅 Summer, 2017

- Used bag-of-words, pre-trained Embedding and simple as well as bi-directional LSTM techniques for Sentiment Analysis.