# Yijian Zong
## Data Scientist

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Udacity Profile

## Skills

Python, Java, C, C++, R, Julia, Android, NumPy, Sklearn, Pandas, Matplotlib, TensorFlow, Jupyter, SQL, Stata, Golang, JavaScript, HTML, CSS, Version Control, Markdown, Matlab

## Projects

### RNN Language Translation
- Assembled a neural network for translation using a small dataset of words in both English and French.
- Achieved Train Accuracy of 0.9785, Validation Accuracy of 0.9824, Loss of 0.0169.

### CNN TF Layer Image Classification
- Constructed a simple Convolutional Network to train batches of images to do image classification on CIFAR-10 dataset.
- Achieved Validation Accuracy of 0.71 and Testing Accuracy of 0.6455.

### Finding Donors for CharityML
- Adapted Supervised learning method Adaboost to help CharityML find donors
- Accuracy of 0.8628 and F-score of 0.7352 on testing data.

### Chopin Composition Research Paper
- A research project that managed to generate and classify Chopin's music, with RNN loss less than 0.02 and CNN accuracy higher than 30%.

## Experience

**GE-CAT – Guangdong, China | Founder, CEO, and CTO**          **September 2015 to Present**
- Designed and developed App to protect customers' data security.
- Utilized online crowdfunding to secure more than $1000.

**DopeNote – Guangdong, China | Founder, CEO**          **September 2015 to December 2015**
- Secured $3,000 from investment sources.
- Managed a team of 10 people and constructed an online platform with 500 subscribers.

## Education

- **Bachelor of Science in Data Science, UCSD (3.77GPA)**          **2017 to Present**
- **Machine Learning Engineering "Nanodegree"**          **2017 to 2018**
- **Udacity Deep Learning "Nanodegree"**          **2017**