

# Tianle Zhang (Tyler)

19 Satinwood way, Irvine, CA , 92612

Mobile: 949-302-6048

Email: [tianlz1@uci.edu](mailto:tianlz1@uci.edu)

WebPage: <https://github.com/66ly>

## Objective

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An summer internship opportunity in a Computer Science/Engineering related field.

## Education:

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09/2011~06/2015 B.S. in Applied Physics, Tongji University

09/2015~Now Department of **Electrical Engineering and Computer Science**, University of California, Irvine  
M.S in EE. Expected graduation Dec 2016

## Computer Skills

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- **Language** : JAVA, Python, HTML/CSS/JavaScript, MySQL, MATLAB
- **Tools**: Photoshop, Office, etc.

## Selected Projects:

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- **Machine Learning Predict Stock Future Returns**  
**Machine Learning/Data science project** Nov 2015 – Dec 2015
  - Predicting near future returns for a set of stocks given historical returns and 25 unknown features.
  - Designed and implemented Data pre-processing and Clustering Time Series Algorithm by **Python 2.x**
  - Implement basic machine learning algorithm like SVR, k-means by **Python Scikit learning**
- **OCR Software Design and Development**  
**Machine learning pattern recognition Individual Research** in Calit2 Jan 2016
  - Designed and implemented Convolutional Neural Network / Deep learning algorithm to classify and recognize different hand-writing words by **Python**
  - Pre-processing the hand-writing words into matrix by **Python**
  - Designed and implemented Optical Character Recognition Applications by **Python and JAVA**
- **Operating System Software Design and Development**  
**Nachos implementing project** Jan 2016
  - Implement in the Nachos platform to simulate a MIPS operating system by using **JAVA**
  - Implement a Multi-Threading operating system in Nachos
- **Different courses assignment**
  - Designed and implemented basic data structures classes and some applications by **JAVA**
  - Designed and implemented k-means, PL, neural networks, EM algorithm by **Python**
  - Simulated the trajectory of planets and Simulated the motion of gas molecular, using Cellular automaton in **MATLAB**
- **Front-end development of personal web page** Jan. 2016
  - Website layout using **CSS** and its framework Bootstrap, building a responsive web page.
  - Using **HTML** to connect with CSS and JavaScript code.
  - Animation effect in **JavaScript**. Using GitHub as Server. The website is: <http://66ly.github.io/>