

# ZHANG, CHI

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## EDUCATION

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**CKC Honor College** 2013.9 – 2017.6(expected)  
**B.S. in Computer Science and Technology**  
**Zhejiang University**  
➤ GPA: 4.46/5.00 Rank: 1/29

## SELECTED COURSES

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<b>Introduction to Mathematical Thinking</b> <i>Coursera</i> ➤ Stanford MOOC ➤ With Distinction	2014.5
<b>Machine Learning(CS229)</b> <i>Stanford</i> ➤ Stanford Online Course	2014.5
<b>Big Data and Social Physics</b> <i>edX</i> ➤ MIT MOOC	2014.5
<b>Neural Networks for Machine Learning(CSC321)</b> <i>Coursera</i> ➤ University of Toronto MOOC	2015.6
<b>Convolutional Neural Networks for Visual Recognition(CS231n)</b> <i>Stanford</i> ➤ Stanford Online Course	2015.7
<b>Deep Learning for Natural Language Processing(CS224d)</b> <i>Stanford</i> ➤ Stanford Online Course	2015.8
<b>Advanced Topics in Reinforcement Learning</b> <i>University College London</i> ➤ UCL Online Course	2016.3

## RESEARCH INTERESTS

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### Machine Learning

- General Machine Learning
- Deep Learning
- Unsupervised Feature Learning

### Computer Vision

- Object Recognition, Localization and Detection

## RESEARCH EXPERIENCE

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### Research Assistant

2015.3 - present

State Key Lab of CAD&CG, Zhejiang University

- Automatic Number Plate Recognition
- Supervisor: Deng Cai

## SELECTED PROJECTS

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### Ebola Virus Prediction

2015.2

- Propose and establish a novel *SHEIR* model that predicts the future trend of the Ebola virus in African countries based on data released by UN on Feb., 2015
- Successfully predict that Ebola should be under control on June, 2015
- Meritorious Winner Paper in *Mathematical Contest in Modeling*

### A Method of Exact 3D Modeling Based on Natural Gestures via Data Gloves

2015.2

- Design and manufacture a pair of data gloves capable of communication with computers for gesture detection via *Adruino*
- Collect data and establish *Random Forest* models using C# and Python
- Patented
- Second Prize in the *Extracurricular Academic Work Competition*, Zhejiang University

### Dish Recognition and Food Recommendation

2015.4

- A data-driven approach to train a *Convolutional Neural Network* to learn to distinguish dishes
- *Collaborative Filtering* for food recommendation
- State Program of Research Innovation for Undergraduate

### Gaussian Distribution and One-class SVM on Medical Frauds with T-SNE Analysis

2015.5

- Build a Gaussian model and a *one-class SVM* model to detect medical frauds with the *T-SNE* dimensional reduction method

## HONORS/AWARDS

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### Honors & Scholarships

- Outstanding Student Scholarship, Zhejiang University
- First-class Academic Excellence Scholarship, Zhejiang University
- Social Practice Excellence Scholarship, Zhejiang University
- Excellent Student Scholarship, Zhejiang University
- First-class Research and Innovation Scholarship, Zhejiang University

### Awards & Prizes

- Second Prize in the Physics Innovation Competition of Zhejiang Province
- Meritorious Winner of the Mathematical Contest in Modeling
- Second Prize in the Extracurricular Academic Work Competition, Zhejiang University
- Five Star Volunteery of Zhejiang University (>250h of voluntary work)
- Top 10% of the data science competition *Titanic: Machine Learning from Disaster*, Kaggle
- Top 10% of the data science competition *San Francisco Crime Classification*, Kaggle
- Top 10% of the Sentiment Analysis competition, Kaggle

## PATENT

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### A Method of Exact 3D Modeling Based on Natural Gestures via Data Gloves

- Patent number: 201510114915.X, China

## MISCELLANEOUS

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### English Proficiency

- TOEFL iBT 113 (with full marks in reading and speaking)
- GRE 333.5

### Programming

- Familiarity with C/C++, Matlab and Python

### Interests

- Voluntary work related to education and social welfare
- Travelling

### Leadership

- Senior member of *The Forum for American/Chinese Exchange at Stanford (FACES)*, Chapter of Zhejiang University
- Teamleader of *Department of Outgoing Global Community Development Program*, AIESEC
- Member of *The Internet Association of Zhejiang University*