

ZHANG, CHI

Room 415, Mengminwei Building
Zijinggang Campus, Zhejiang University
Hangzhou, China, 310058

Homepage: wellyzhang.github.io

Email: wellyzhang@gmail.com

Linkedin: [linkedin.com/pub/zhang-welly/90/261/152](https://www.linkedin.com/pub/zhang-welly/90/261/152)

EDUCATION

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

Introduction to Mathematical Thinking

2014.5

Coursera

- Stanford MOOC
- With Distinction

Machine Learning(CS229)

2014.5

Stanford

- Stanford Online Course

Big Data and Social Physics

2014.5

edX

- MIT MOOC

Neural Networks for Machine Learning(CSC321)

2015.6

Coursera

- University of Toronto MOOC

Convolutional Neural Networks for Visual Recognition(CS231n)

2015.7

Stanford

- Stanford Online Course

Deep Learning for Natural Language Processing(CS224d)

2015.8

Stanford

- Stanford Online Course

Advanced Topics in Reinforcement Learning

2016.3

University College London

- UCL Online Course

RESEARCH INTERESTS

Machine Learning

- General Machine Learning
- Deep Learning
- Unsupervised Feature Learning

Computer Vision

- Object Recognition, Localization and Detection

RESEARCH EXPERIENCE

Research Assistant

2015.3 - present

State Key Lab of CAD&CG, Zhejiang University

- Automatic Number Plate Recognition
- Supervisor: Deng Cai

SELECTED PROJECTS

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

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

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

- Patent number: 201510114915.X, China

MISCELLANEOUS

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*