# Zhizhong Huang

wants to be talented&positive.

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## Summary

I'm a junior student of School of Software, Sichuan University, major in software engineering. I am very interested in machine learning, deep learning and using them to solve practical problems, and also I have some related practical projects, such as Medical image analysis, pose estimation, Face recognition and etc. Additionally I have public source code the related work and corresponding demo video in my GitHub. I am willing to public my code and work, enjoy the pleasure of discussing with others. There are extremely detailed training and testing README document in my related Repo. In the latter part of my resume, I introduced some interesting projects I have publiced in GitHub.

Except for programming ability, my academic achievement is top **5%**(12/273) of my grade and comprehensive ranking ~5/265. In the first year in college I have earned **National Scholarship**, the second year earned **National Encouragement Scholarship**, and served as **vice president of Intelligent Machine Association**.

After that, I successfully declared a **National Training Programs of Innovation and Entrepreneurship for Undergraduates** as captain. I have also participated actively in computer related competitions many times, earned some national, provincial and University awards.

During the summer of the sophomore year, I have written a paper named **Forensic Age Estimation for Pelvic X-ray Images using Deep Learning** (ready to contribute), cooperating with a PhD student from West China School of Basic Medical Sciences & Forensic Medicine, Sichuan University, under the guidance of Mr. Yi Zhang from Computer Science school of Sichuan University.

In my normal life, I like to visit GitHub, V2EX and other technical forums, and I am willing to learn new technologies.

## Education

**Sichuan University**

2015/09 - Now | Chengdu, China

Undergraduate, Software Engineering, School of Software

## Grades

**English**

CET4, CET6

581/CET4；469/CET6

**Academic**

GPA 4.0/95 before 2018, 4.0/90 after 2018

GPA: **3.71/4.0**; Weighted Average Mark: **89.62/100**; ranking: **12/273(top 5%)**

## Experience

**Vice president of Machine Intelligence Association**

2016/06 - 2017/09 | School of Software, Sichuan University

**2017 iOS Club**

2017/08/21 - 2017/08/25 | Apple

## Publications

### Paper

2018, **Forensic Age Estimation for Pelvic X-ray Images using Deep Learning**

ready to contribute

### Software copyright

Urine and blood glucose analyzer based on Cloud Computing V1.0, 2017

Applied when I was 2nd year in college

## Academic

### National Scholarship

2015-2016, 1st year in college

### National Encouragement Scholarship

2016-2017, 2nd year in college

## Competition

**2017 China Collegiate Computing Contest-Mobile Application Innovation Contest By Apple Winning prize**

**2018 Microsoft Imagine Cup Second Prize of Suzhou District**

**7th Blue Bridge Cup Third Prize of Sichuan District**

**3th China College Students' 'Internet+' Innovation and Entrepreneurship Competition Second Prize of Sichuan University**

## Projects

### National Training Programs of Innovation and Entrepreneurship for Undergraduates(Captain)

Internet plus urine and blood glucose analyzer based on Cloud Computing, 2017

It is composed of four students from Software Engineering, Electronics and Clinical School. The project is mainly aimed at a urine and blood test and analysis hardware and software for uremic and diabetic patients. Source Code publiced in Github, the main related technologies are Spring Boot, Mybatis and so on.

## Pro-Skills

### Programing Language

Python(Main), Java, C/C++, JavaScript

### Deep learning

Caffe(Main), TensorFlow

### Framework

Spring boot, WeChat Mini Programs, Django and etc.

### Others

git, vim, shell, Markdown, familiar with Linux(mainly Ubuntu)

## Other Projects

Open source at GitHub, providing source code and related introduction

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### Deep learning

**Dogs-vs-Cats**

Github | Classification of cat and dog

**CNTK_Realtime_Multi-Person_Pose_Estimation**

Github | Human pose estimation，CNTK Implementation of a CVPR Paper

**Face-Recognition**

Github | Face recognition based on MTCNN and centerloss

**Hand-Keypoint-Detection**

Github | Hand and its 21 keypoints detection by caffe.

**Bone-Age-Assessment**

Github | Medical Image Analysis | Deep Learning and Training dicom file with Caffe and Regression Prediction by age label.

**determination-of-identity**

Github | Medical Image Analysis | Caffe Siamese Network and Similarity by feature vector.

**grad-CAM-pycaffe**

Github | Grad-CAM visulization technique of pycaffe.

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### Java

**E-Book**

Github | An Android Reading App

**Newest-Server**

Github | A news and comment Manage System.

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### Python

**xiecheng**

Github | Crawling the price of Ctrip air ticket and notice user

**scuscheduler**

Github | Translate school timetable to ics file.

**SCU-Toolkit**

Github | Scripts about Educational Administration

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## WeChat Mini-Programs

**YourReader**

Github | An online Book Reader based on WeChat Mini-Programs

**niaodaifu**

Github | Online shopping mall, Application for Record and Detection of Uremia and Diabetes

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