Resume

Personal Information

Name	He Chen	Gender	Male	DOB	1994.3.23
University	Sichuan University	Major	Software Engineering	Education	Bachelor
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Homepage	https://tonypod.github.io		Language Skills	English, Japanese	

Self Intro

I have outstanding information retrieval and self-learning abilities. Although majoring in Software Engineering, I've involved in projects related to Digital Signal Processing (DSP), Digital Image Processing and Machine Learning(ML) etc. I'm quite proficient in English. In order to finish my projects, I often read English theses or search StackOverflow.com for new ideas. In my spare time, I enjoy taking courses on MOOCs like Coursera or Edx. I'm particularly interested in Computer Vision, Pattern Recognition and Machine Learning.

Professional Skills

1、 Familiar with programming languages like C/C++, MATLAB, Java and C#

2、 Proficient in English especially in English writing

3、 Familiar with Digital Image Processing, a little Pattern Recognition and Machine Learning

Main Project Experience

eDentist-Microsoft Imagine Cup 2015 China Champion on World Citizenship, National Undergraduate Training Programs for Entrepreneurship

Users take photos of their mouth to roughly analyze whether he or she has the potential of certain oral diseases (e.g. Decayed tooth). This project is still underway. The image analysis algorithm is based on computer vision and machine learning. More training images, more features extracted are needed to make the algorithm more accurate.

Check out the team and product info on https://www.microsoft.com/china/livetocode/180.html

MindReader-National Undergraduate Training Programs for Innovation

Using Neurosky's TGAM module to acquire users' meditation and concentration values and map them into 4 predefined mood types (e.g. anxious, excited). Play different kinds of music (e.g. exuberance, calm) according to different mood types. I refer to several theses on how to extract the feature features of the music. The classification is eventually done by the help of GMM (Gaussian Mixture Model).

CarSharing-Android Application-Chengdu Michelin Hackathon Challenge Bibendum

An Android car-sharing application like Uber. Although two days' work is not worth mentioning, I do experience a world-class event and know what a hackathon is. I also know how to cooperate with UI designer and back-end developer efficiently and the importance of coding standards