Jianfei**Yang**

No risk leads to disaster.

recent photo

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languages
Chinese mother tongue
English fluency

research
Data mining
Machine learning
Computer vision

programming
♥ Python
Javascript, C++,
Matlab
CSS3 & HTML5
Verilog
R programming

education

2012–present **Bachelor** of Software Engineering   Sun Yat-sen University
                   Specialization in Mobile Information Engineering

2012–present **Major GPA** 3.8/4.0, top 5%   Sun Yat-sen University
                   School of Mobile Information Engineering

experience

2014-2015   **TEACHING ASSISTANT**   Sun Yat-sen University
                   Server for the Cloud Computing Course. Answer questions and grade home-
                   work, and work with several groups on their projects and researches.

2013-2014   **INTERNSHIP OF VISION ENGINEER**   DJI Intern
                   Dedicated to computer vision and UAV application as a vision engineer.

2013–2014   **FOUNDER OF MSTC**   Operation
                   One of the founders of the Microsoft Technology Club in Zhuhai. Apart from
                   technology sharing, there are some coding matches held by Microsoft.

2012–2013   **CHAIRMAN OF STUDENT UNION**   Management
                   Take up the post of chairman of Student Union in the school of mobile engi-
                   neering.
                   Detailed achievements:
                   • Pioneer as the first session
                   • Build up the basic discipline and department
                   • Make plans for activities

papers

2015   **Perceptual Hashing Tracking**   ICCV
                   Submitted to International Conference of Computer Vision

awards

2015   **Mathematical Contest In Modeling, Meritorious Winner** Consortium for Mathematics and
                   Its Applications
                   Awarded to the team that performs meritorious.

2015   **Robot Hackathon in China, First Prize**   Opensource Maker space and Aldebaran
                   Awarded to the team that ranks first.

2014   **Ke-teng Cup Application Competition, First Prize**   Sun Yat-sen University
                   Awarded to the team that performs good in the competition.

2013   **Undergraduate First-class Scholarship, Giordano Scholarship and Eagletrain Scholar-
                   ship**   Sun Yat-sen University
                   Awarded to the top student in the year of a Bachelors degree.

2012   **Global Management Challenge 2nd Prize in China**   GMC Committee
                   Awarded to the excellent students performing good in GMC.

projects

2013	**Low-cost communication system based on 3G**	Provincial Scientific Research Project

Build a low-cost communication system based on image detection and subtraction, compression and transmission.

2014	**Visual system for a smart car**	DJI Intern

Build a recognition system for a smart car. I use the color and texture information to recognize the extern objects and guide its direction.

2014	**Search engine based on Wechat**	Ke-teng Cup Application Competition

Using data mining, I combine the searching result of Taobao, Dangdang, Amazon and Jingdong business platform and get the best result according to the requirement. The server is implemented by Python while the client is based on Wechat.

2014	**UAV based Traffic Condition Analysis**	Interest research

Guide the UAV to detect the traffic condition of the specific highway. The traffic condition is predicted by the algorithm.

2015	**Naorrator Display Framework based on Robot Nao**	Robot Nao Development

The display system is designed for The Canton Fair. I make the robot to control the PC and make presentations, whose technologies include socket, Nao-api and markup language.

interests

professional:

- Computer vision (Object recognition and tracking, image processing)
- Android app creation (Specific design for customer)
- Software design (Qt for C/C++ and Python)
- Data mining (Participate in a intelligent transportation planning project)
- Cloud computing (Familiar with Windows Azure, SAE, GAE, etc)
- Unmanned aerial vehicle (Control and visual system)

personal:

- Saxophone (Topest grade certified by the China Conservatory of Music)
- Ukulele (Playing and singing)
- Climbing and photography (Outward Bound Trainer certified by the Ministry of human resources and social security)