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, Latex
CSS3 & HTML5
Verilog
R programming

education

2012–present	**Bachelor** of Software Engineering	Sun Yat-sen University

School of Data and Computer Science *(Major GPA: 3.7/4.0, top 10%)*
Research Interests: **Computer Vision** *(object tracking and recognition)*, **UAV and UGV collaboration**, **Data Mining** *(text mining and data analytics)*

experience

2014-2015 TEACHING ASSISTANT — Sun Yat-sen University
Server for the Cloud Computing/Software Engineering Course. Answer questions and grade homework. Work with several groups on their projects and researches.

2013-2014 INTERNSHIP OF VISION ENGINEER IN DJI — 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
Occupy the chairman of Student Union in SMIE.
Detailed achievements:
- Pioneer as the first session
- Build up the basic discipline and department
- Make plans for activities

awards

Nov. 2015	**National Mobile Internet Innovation Contest, First Prize**	Ministry of Industry and Information Technology of China
Sep. 2015	**National Undergraduate IOT Design Contest, First Prize**	Ministry of Education of China
Aug. 2015	**HackNTU, Intel and Migo Prize**	National Taiwan University
Jun. 2015	**Unique Hack Day, Rank 2nd**	Huazhong University of Science and Technology
Apr. 2015	**American Mathematical Contest In Modeling, Meritorious Winner**	International
Mar. 2015	**Robot Hackathon in China, First Prize**	ALDEBARAN
Sep. 2014	**Ke-teng Cup Application Competition, First Prize**	SYSU
Sep. 2013	**Undergraduate First-class Scholarship and Giordano Scholarship**	SYSU
Dec. 2012	**Global Management Challenge 2nd Prize in China**	GMC Committee

Publications

2015	**Compressive Perceptual Hashing Tracking with Online Foreground Learning** ROBIO

2015 **Compressive Perceptual Hashing Tracking with Online Foreground Learning** ROBIO
Published by IEEE International Conference on Robotics and Biomimetics (RO-BIO 2015, Zhuhai, Indexed by EI, Top Conference, First Author). Supported by National Natural Science Foundation of China.

2015 **Robust Vehicle Tracking Using Perceptual Hashing Algorithm** ICMLA
Published by IEEE International Conference of Machine Learning and Application (ICMLA 2015, Miami, Indexed by EI, First Author).

2015 **Traffic Detection System Based on Unmanned Aerial Vehicle Integrated Analysis(UAVIA) in E-Business Logistics** ICEBE
Published by IEEE International Conference on e-Business Engineering 2015 (ICEBE 2015,Beijing, indexed by EI and INSPEC, First Author)

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.

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)