

# TANG YUCAO

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## Education

**University of Electronic Science and Technology of China (UESTC)**

Chengdu, China

- Bachelor of Computer Science and Technology
- Courses: Computer Graphics, JAVA Language Programming, Database, Linear Algebra, Calculus, Data Structures And Algorithms, Probability Theory...
- GPA:3.72/4 • Rank:38/420 • TOFEL:90

## RESEARCH EXPERIENCE

### **Vehicles Tracking & Counting based on Vehicles Detection & Recognition Project**

Ginkgo Yellow Innovation Practice. Team Leader

May.2016 - Sept.2016

- Responsibilities:
  - Sufficiently adapted results from a teammate's recognition work (applying SVM in machine learning)and designed counting & tracking algorithms.
  - Actively achieved the programming mission and combined all others' work using OPENCV2.4.4, and Microsoft Visual Studio 2010.
  - Built UI with QT and analyzed the data to get a persuasive conclusion.
  - Organized group discussions and gave presentations to public reply. Founding 2000¥.

## **Publication**

-Tang Yucao. **Vehicles Tracking And Counting Based on Vehicles Recognition** (In Chinese).ISSN:1003-9767,CN:11-2697/TP, China Computer & Communication(Theory Edition)(In Chinese). 2016, 24(15).

-Included in China's National Knowledge Infrastructure. (<http://www.cnki.net>)

-Mainly studying a cars counting algorithm meanwhile comparing tracking algorithms in computer vision.Finally assigned a counting algorithm improved from an article.

### **Research Assistant in Prof. Niu Xinzheng's "Distributed and Mobile Computing" lab.**

- Responsibilities: Dec.2015 -present
  - Actively engaged in computer vision team using OPENCV, and worked on a project cooperating with Provincial Public Security Department which is about ITS (Intelligent Transport System).
  - Gained valuable experience with learning back-end (JAVA, Hibernate, Spring, Hive, Maven).
  - Fundamentally established the first combined system of vehicle algorithms from different stages.

### **Multiple Chatting Systems based on Spring & Hibernate & Multiple Thread & Sockets Project**

- Responsibilities: May.2016 - Jun.2016
  - Flexibly applied back-end knowledge to program a JAVA application as my curriculum design.

## **Bicycle Lease System**

- Responsibilities: Sept.2016-present
  - Led the team of six to finish a B/S software project as our course task.
  - Programmed back and interacted with fore-end using Spring,Hibernate and Struts2 .
  - Wrote documents requirements, specifications, test findings and management summaries.
  - Designed a database with others.
  - Gave presentations to public reply.

## **INTERNSHIP EXPERIENCE**

### **Chengdu Hwadee Information Technology Co., Ltd**

JAVA programmer/Team leader Jul.2016 - Sept.2016

- Responsibilities:
  - Led the team of six to finish a web application named 'Mimile shopping websites'.
  - Programmed back-end and interacted with fore-end using Struts2,MySql and JSP.
  - Gave presentations to public reply.

### **ERA Singapore Estate Co., Ltd**

Jul.2015

- Designed and improved a survey of Singaporean's estate;

## **STUDENTS ACTIVITIES**

Vice Minister of Sports Department of the Student Union	Sept.2015 - Jul.2016
Members of 'LiRen' Innovative and Entrepreneurial Class in university.	April.2015 - Sept.2016
Members of 'South Pole' Studio	April.2015 - Sept.2016
Summer School at National University of Singapore	Jul.2015 - Aug.2015

## **AWARDS AND CERTIFICATES**

UESTC People Scholarship (Second-Class)	2015
A Recommend letter from Singapore NUS	2015
UESTC People Scholarship (First-Class)	2016
Awarded 'The Best Personnel' and 'The Best Team' during internship in Hwadee Co., Ltd	2016

## **TECHNICAL STRENGTHS**

Languages	C++, JAVA
Tools	Microsoft Office, Visual Studio, Eclipse, QT, 3dMAX, AE, PS
Knowledge	OpenCV, Computer Vision, Image Process, Machine Learning, OpenGL