

# WEN-TAO ZHANG (TOBY)

Phone: (+86)156-006-04767

Email: zwt@pku.edu.cn

## EDUCATION

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### Peking University

*Sep. 2013 - Present*

B.S. in Computer Science

– Overall GPA: 3.52/4.0    Major GPA: 3.62/4.0

National Engineering Laboratory for Video Technology (NELVT), Video Coding Technology Lab

Advisor: Siwei Ma

## EXPERIENCE

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### Students' Association of College of EECS

*Sep. 2013 - Jun. 2014*

*Member of Academic Dept.*

Organized several lectures about overseas studying and postgraduate recommendation

### Video Coding Technology Lab

*Apr. 2015 - Present*

*Intern*

Did research on High Efficiency Video Coding

Building an application that can search for a specific frame in a video

## AWARDS, GRANTS & HONORS

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International Olympiad in Informatics (IOI) 2013 China Team Selection Competition Ninth Place

The ACM-ICPC Asia Regional Contest Chengdu Site 2013 Silver Medal (Twenty-third Place)

Merit Student of Peking University, 2013 - 2014 Academic Year

Tung OOCL Scholarship, 2013 - 2014 Academic Year

The ACM-ICPC Asia Regional Contest Mudanjiang Site 2014 Gold Medal (Tenth Place)

## PROJECTS

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### Image Segmentation

*Jun. 2015*

A naive implementation based on Graph-Cut algorithm

<https://github.com/nsknobjj/graph-cut-based-on-maxflow>

### Log File System

*Jan. 2016*

Designed a client caching mechanism for Hadoop Distributed File System (HDFS)

<https://github.com/nsknobjj/LogFileSystem>

### Pedestrian and Car Detection on Dataset PKUSVD

*Nov. 2015 - Dec. 2015*

Neural network was based on Fast-RCNN, Proposal algorithm: ACF & EdgeBox

<https://github.com/nsknobjj/fast-rcnn-final>

### Birdway

*Oct. 2015 - Dec. 2015*

A collaborative editing plugin for Atom

<https://github.com/yangzhixuan/birdway>    <https://github.com/nsknobjj/Birdway-Server>