

# Zhengkai Wang

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## Education Background

<b>SEIEE, Shanghai Jiao Tong University</b>	Shanghai, China
<i>Expected: BS in Automation</i>	2015.09-2019.07
<ul style="list-style-type: none"><li>GPA: 3.7/4.3</li><li>Honor: Shanghai Jiao Tong University C-class scholarship</li></ul>	

## Project Experience

<b>Participant in Research Program of Shanghai Jiao Tong University</b>	Shanghai, China
<i>Improvement of private transaction in blockchain</i>	2017.09-2017.12
<ul style="list-style-type: none"><li>Build private blockchain system based on Hyperledger Fabric</li><li>Analyze the details of ring signature algorithm and Range Proof algorithm in private transaction of blockchain</li><li>Improve the performance of Range Proof algorithm</li><li>Write the essay to present the result of research</li></ul>	
<b>Research project in Lab of Pattern Analysis and Machine Intelligence of SJTU</b>	Shanghai, China
<i>Analysis of SVM with indefinite kernel</i>	2017.12-Now
<ul style="list-style-type: none"><li>Summarize the properties of the IKSVM problem</li><li>Attempt to solve the dual gap introduced by indefinite kernel</li><li>Analyze Nesterov's smooth optimization approach for indefinite kernel</li></ul>	
<b>Final project on Course Pattern Recognition</b>	Shanghai, China
<i>Improvement of Random Forest algorithm</i>	2017.10-2017.12
<ul style="list-style-type: none"><li>Summarize the classical ensemble learning methods and their applications</li><li>Compare the performance of RF method with Gini impurity and Entropy for different circumstance</li><li>Propose the <i>Out of Bag Feature</i> estimation introduced from random feature selection in RF algorithm.</li><li>Analyze the influence of parameters (size of random features, bagging ratio) in RF algorithm on given data set</li></ul>	

## Intern Experience

<b>Softyoung Intelligent Technology Co., Ltd</b>	Shanghai, China
<i>Software Department Intern</i>	2017.06-2017.09
<ul style="list-style-type: none"><li>Develop an interpreter in JavaScript to run UCC (a programming language and IDE like VB) application on web</li><li>Test and report the issues and bugs of UCC</li><li>Construct the automated process for face recognition using API</li></ul>	

## Activity Experience

<b>Commencement of Shanghai Jiao Tong University</b>	Shanghai, China
<i>Director</i>	2017.06-2017.07
<ul style="list-style-type: none"><li>Design construction and content of the ceremony.</li><li>Construct the communication platform over teachers, sponsors and stage design team</li><li>Lead and coordinate the student community to launch original programs, and gain unanimous praise</li></ul>	

## Computer Skills

- Languages: C++, Python, JavaScript, PHP, HTML, CSS
- Tools: Git, Linux, Matlab, Shell, Docker