

Zhengkai Wang

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Education Background

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

Project Experience

Participant in Research Program of Shanghai Jiao Tong University	Shanghai, China
<i>Improvement of private transaction in blockchain</i>	2017.09-2017.12
<ul style="list-style-type: none">Build private blockchain system based on Hyperledger FabricAnalyze the details of ring signature algorithm and Range Proof algorithm in private transaction of blockchainImprove the performance of Range Proof algorithmWrite the essay to present the result of research	

Research project in Lab of Pattern Analysis and Machine Intelligence of SJTU	Shanghai, China
<i>Analysis of SVM with indefinite kernel</i>	2017.12-Now
<ul style="list-style-type: none">Summarize the properties of the IKSVM problemAttempt to solve the dual gap introduced by indefinite kernelAnalyze Nesterov's smooth optimization approach for indefinite kernel	

Final project on Course Pattern Recognition	Shanghai, China
<i>Improvement of Random Forest algorithm</i>	2017.10-2017.12
<ul style="list-style-type: none">Summarize the classical ensemble learning methods and their applicationsCompare the performance of RF method with Gini impurity and Entropy for different circumstancePropose the <i>Out of Bag Feature</i> estimation introduced from random feature selection in RF algorithm.Analyze the influence of parameters (size of random features, bagging ratio) in RF algorithm on given data set	

Intern Experience

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

Activity Experience

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

Computer Skills

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