

- OBJECTIVE** A position in the field of Machine Learning, Natural Language Processing or Data Mining
- EDUCATION** Master of Computer Science (examination free)  
Zhengzhou University  
2014 ~ 2017
- Bachelor of Computer Science  
Zhengzhou University  
2010 ~ 2014
- EXPERIENCE** 2016.04~2016.06 **An automatic diagnose module based on weighted k nearest neighbour algorithm:** This work built a knowledge base by semi-structured medical records (896 cases), and try to make the decision of new patients' categories (mentions of epilepsy, cerebral hemorrhage, cerebral infarction, Parkinson, Green Barre etc.) automatic with the weighted k nearest neighbour algorithm.  
Cooperator: Fujitsu(Nanjing), The First Affiliated Hospital of Zhengzhou University
- 2016.03~2016.06 **Gene classification with dynamic TSP algorithm:** Based on the traditional TSP algorithm, this work proposed a new classification algorithm for time series gene expression.  
*Paper:* DTSP-V:A Trend-based Top Scoring Pairs Method for Classification of Time Series Gene Expression Data
- 2016.03~2016.05 **Fetal weight prediction model with deep neural network:** The model extracts all physiological parameters related to fetal weight (14844 cases in the whole year of 2015), and the fetal weight prediction model was constructed by using the deep neural network.  
*Paper:* Estimation of Fetal Weight by Deep Neural Network
- 2015.10~2016.01 **A RNN framework of medical records de-identification:** In this work, we propose a new framework to solve the de-identification challenge. The framework uses Recurrent Neural Network to recognize protected information in EHRs. We annotated a Chinese dataset which come from Maternal and child health care hospital of Henan (485 records which contain 48072 protected entities).  
*Paper:* Learning to Recognize Protected Health Information in Electronic Health Records with Recurrent Neural Network
- 2015.04~2015.07 **Open domain question answering system:** This work built an Chinese open domain question answering system by viewing BaiduBaiké, Wikipedia, BaiduZhidaó, Bing as knowledge base, with multiple natural language processing techniques like Chinese word segmentation, text classification, semantic role labeling.  
*Software Copyright:* Chinese question answering system V1.0
- 2014.04~2014.08 **Traffic analysis system:** This system first crawled the GPS bus waiting information of Zhengzhou in real-time. According this information, we can estimate the traffic condition of specific area.  
Internship Unit: Henan Provincial Key Lab on Information Networking
- 2013.10~2014.05 **Campus news classification and information extraction system:** The system classifying news with support vector machine algorithm, and it use

handmade rules to extract the summary information of these news.

*Degree Paper:* The design and implementation of the text classification and information extraction system

## SKILLS

- Learning Model: SVM, LSTM, KNN
- English proficiency: CET6 (482)
- Platform: Linux, Keras, Android, MySQL
- Program Language: JAVA > Python > Matlab > C Sharp

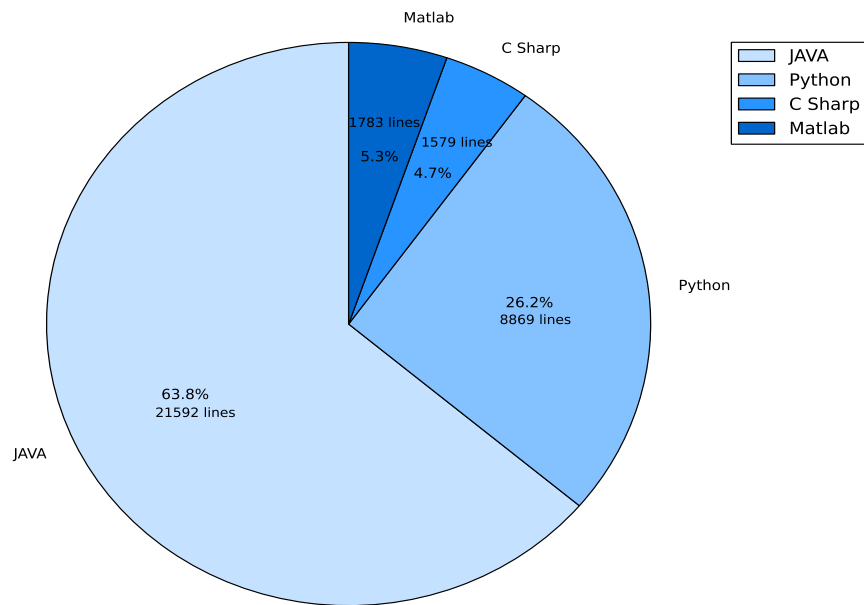


Fig 1. Program Language Usage from 2014 to 2016

## LINKS

CSDN Blog: <http://blog.csdn.net/zzukun>

Homepage: <http://zzukun.com>

GitHub: <https://github.com/zzukun>