

# William Zhao

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Job Objective: Machine Learning Algorithm

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## Education Background

|   |   |                            |
|---|---|----------------------------|
| Beijing University of Posts and Telecommunications (master)   | Electronics and Communication Engineering | 09/2016-Present            |
| Beijing University of Posts and Telecommunications (bachelor) | Digital Media Technology                  | Rank: 9.7% 09/2012-07/2016 |

## Professional Skills

- ✧ C++, Python, Java, C# & SQL, Hive QL & Linux, Git
- ✧ Hive, Hadoop & OpenCV & Azkaban & Caffe, Tensorflow
- ✧ Image and Audio Processing, Machine Learning, Deep Learning

## Project Experience

|   |                 |
|---|-----------------|
| ✧ Beijing Didi Infinity Technology and Development Co.,Ltd. -ML Algorithm Intern                        | 02/2017-10/2017 |
| • Prediction model of driver churn rate: predict driver churn rate with GBDT model                      |                 |
| • Intelligent allowance model: provide users with an allowance intelligently based on conversions rates |                 |
| • Regional operation: regional city cluster for localization strategy                                   |                 |
| • Built Credit score system   |                 |
| • Built the Personas  |                 |
| ✧ Nokia Shanghai Bell Lab-MWC 2017-Face Recognition-Project leader                                      | 05/2017-09/2017 |
| • Face recognition: convolutional neural network, AlexNet model   |                 |
| • Face detection: based on HOG feature and Adaboost algorithm   |                 |
| • Architecture design: system architecture, interfaces design   |                 |
| ✧ State Grid Corporation of China-Insulator quality control -Project leader                             | 12/2015-09/2016 |
| • Table recognition and segmentation: Hough Transform   |                 |
| • Handwriting recognition of the contents of the segmented table  |                 |
| ✧ Robotu Inc.-Location and identification of house number-Algorithm Intern                              | 04/2016-07/2016 |
| • House number recognition: based on Tesseract  |                 |
| • Improved recognition accuracy rate from 50% to 75%  |                 |
| ✧ Developed audio and image processing software without the third-party library                         | 06/2015         |
| • Developed an audio processing software which can detect edge and so on                                |                 |
| • Developed an image processing software which can modify tone and so on                                |                 |
| ✧ Microsoft Beijing Hackathon -The advertisement recommender system-Project leader                      | 10/2016-10/2016 |
| ✧ Published 6 papers about Multi-media processing   | 01/2015-01/2016 |

## Scholarship and Awards

|   |                 |
|---|-----------------|
| ✧ Prize for The Best Technology in Microsoft Beijing Hackthon、The First Prize Scholarship   | 10/2016-10/2016 |
| ✧ National Scholarship for Encouragement、Merit Student、The Third Prize in National Innovation and Entrepreneurship for Undergraduates、The Third Prize and The Best Program Design Prize in China International Youth Animation and New Media Creative Contest | 01/2015-01/2016 |
| ✧ Outstanding League Cadre、Study Progress Prize   | 01/2014-01/2015 |
| ✧ The Third Prize Scholarship、Outstanding Student Cadre   | 01/2013-01/2014 |

## Extra-Curriculum Activities

|  |                 |
|--|-----------------|
| ✧ Youth League Committee Secretary、Party Branch Secretary  | 10/2013-03/2016 |
| • Organized Volunteer activities e.g. “Care elders in nursing home”、“Care patient in Songtang Care Hospital” |                 |
| ✧ League branch Secretary、Monitor  | 02/2013-09/2013 |
| • “The 129 Art Show” (won the first prize), Founded the Student Union Affiliated to DMDA Department.         |                 |