# Benliang Wang (王本亮)

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## EDUCATION

**Beijing Institute of Technology**                                    Haidian District, Beijing

*Master of Engineer in Computer Technology     GPA: 85.0/100*          Sep. 2016 - Jun.2018(Anticipated)

**Beijing Institute of Technology**                                    Haidian District, Beijing

*Bachelor of Science in Electronic Science and Technology     GPA: 76.2/100*          Sep. 2011 – Jun.2016

## EXPERIENCE

**Research Assistant & Graduate Student**                              Jul. 2016 – Now

Beijing Institute of Technology, Professor Kan Li's Group

- Research on network representation learning and implement corresponding models and test them. The work item was a subsidiary subject of a "973" program.
- Software engineering on social network analysis platform.

**Research and Development Intern**                                    Jul. 2017 – Now

Microsoft Research Asia

- Research on multi-turn dialogue system under the supervision of Researcher Jingtian Jiang.
- Develop the intelligent chat bot EDI (Enterprise Deep Intelligence system).

**Data Mining Intern**                                                 Apr. 2016 – June. 2016

Xuexibao Inc.

- Develop crawlers to get data about online education. Clean and save data to mongodb.
- Reconstruct old projects with Python.

**Data Mining Intern**                                                 Dec. 2015 – May. 2016

Henzan Inc.

- Implement recommendation system with collaborative filtering algorithm.
- Data processing and test machine learning algorithms related to images.

## PROJECTS

- **Enterprise Deep Intelligence system(EDI)**                        Jul. 2017 – Now

  EDI is a Task-Oriented Chat Bot and a research prototype deployed internally. It can answer staff's business-related questions, help staff schedule meetings and set reminders. All the task requests are invoked by natural language. I own these features in my team:

- Research on multi-turn dialogue solution and try to use them in our product.
- Develop automatic question answering module. Questions are domain-related.
- Start to research on entity linking recently.

- **Social Network Analysis System**                                  Dec.2016 – Now

  The function of the system includes how to represent social network, information propagation, influence maximization and data visualization.

- Leader of the development team. Design the architecture of the project.
- Research on Network Representation Learning and implement algorithms.
- Build web application with Java. Build a distributed machine learning platform with Spark.

- **Distributed Crawling System**                                    Mar. 2016 – May. 2016

    The project is used to hunting data from a series of websites related to education resource. My system includes Anti "anti-crawler rules" Module and Verification Code Recognition Module.

    - Owner of the project.
    - Develop with Python and libraries like bs4, PIL(Python Image Library), Pytesser and Twisted.

- **Teaching & Experiment Management System**                        Feb. 2015 – Apr. 2015

    The system includes a curricula-variable management system, an online judge system (For students' assignment) and some functions of Office Automation System like schedule an experiment.

    - Owner of the project.  Develop with Python.
    - The system served 400 users for two years.

## ENGLISH PROFICIENCY

- *TOELF-iBT*

| Test Date | Reading | Listening | Speaking | Writing | Total |
|---|---|---|---|---|---|
| Oct 14th, 2017 | 23 | 18 | 17 | 19 | 77 |

- I have taken part in another *TOELF test* on *Nov. 11* and will get a newer grade on *Nov. 23*.

## REWARDS

- Academic Scholarships                                              Dec. 2016

## SKILLS

- Programming Language: Python, Java, C/C++, C#, Lisp

- Others: Linux, Tensorflow, Django, MySQL, MongoDB, Hadoop, Spark.

## REFEREES

- **Kan Li,** Professor at Beijing Institute of Technology, Department Computer Science and Technology
    - Email:  likan@bit.edu.cn

- **Jingtian Jiang**, Researcher at Microsoft Research Asia, Big Data Mining Group
    - Email:  jiji@microsoft.com