

Haidian District  
Beijing, China

# Kai Wang

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**Aim to Solve Any Technical Problems**

## Employment

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<b>Senior Software Engineer</b>	<b>BigOne Lab, China</b>	<b>Dec 2017 – Oct 2019</b>
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Data Intelligence Platform for Key Decision Makers

- Explored and applied new methods in Tech Lab. (AWS Lambda, Google Apps Script, Slack Bot, NLP)
- Led web application development. (React, Node.js, Elasticsearch, AWS Redshift, Redis, Code Review)
- Developed web crawlers to extract public data. (Python, Scrapy, MongoDB, Reverse Engineering)

<b>Big Data Engineer</b>	<b>Ping++, China</b>	<b>Dec 2015 – Nov 2017</b>
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Business Intelligence Platform to Drive Growth

- Implemented ETL, user id mapping, key metrics. (Aliyun MaxCompute, SQL, Java)
- Implemented a sales amount prediction application. (Machine Learning, Xgboost, Python)
- Restored millions of hashed IMEI ids. (Multiprocessing, Java, AWS EC2)

<b>Software Engineer</b>	<b>Amazon, China</b>	<b>Apr 2014 – Oct 2014</b>
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MFNCOD (Merchant Fulfillment Network, Cash On Delivery)

- Integrated ship track information from the carrier Best Express into Amazon China MFN. (Java, Unit Test)
- Enhanced the internal tool used by the operational team. (Ruby on Rails)
- Built data warehouse reports regularly for operational monitoring. (SQL)

<b>Software Engineer</b>	<b>IBM, China Development Lab</b>	<b>Jul 2009 – Apr 2014</b>
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Entitled Software (IBM Z Mainframe Software License Management)

- Redesigned the report generation pipeline, by separating the data source and transformation. (C, XML, XSLT)
- Initiated and developed a test data builder tool, saving manual work by 85%. (JDBC, JSON, jQuery)
- Implemented a web page for displaying the decision making tree. (jsTree, Flexigrid, Single-Page Application)

## Education

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<b>Beijing</b>	<b>Beijing University of Technology</b>	<b>Sep 2002 – Jul 2009</b>
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- Master's Degree in Computer Applied Technology, Jul 2009. GPA: 3.5
- Bachelor's Degree in Computer Science and Technology, Jul 2006. GPA: 3.6

## Additional Experience and Awards

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- **GitHub Profile:** <https://github.com/charles-wangkai>
  - **Google Code Jam (2019):** Advanced to Round 3. Ranked 372nd. (ID: goalboy1015)
  - **Facebook Hacker Cup (2019):** Advanced to Round 2. Ranked 465th. (ID: Kai)
  - **Google Distributed Code Jam (2016):** Advanced to Round 2. Ranked 175th. (ID: goalboy1015)
  - **Project Euler:** Level 13. Solved 325 problems. (ID: goalboy)
  - **HackerRank ProjectEuler+ Contest:** Ranked top 10 out of 110000+ participants. (ID: goalboy)
  - **Topcoder - College Tour Beijing (2008):** Second Prize. Ranked 15th. (ID: GOALBOY)

## Skills

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- Java; Python; C / C++; SQL; Shell; R; Haskell
  - Git; Web Development; Hadoop; Android / iOS Programming; WebGL
  - Algorithms; Machine Learning

## Favorite IT Books

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- "Programming Pearls" (Did all the exercises)
  - "Clean Code: A Handbook of Agile Software Craftsmanship"
  - "Peopleware: Productive Projects and Teams"