

Haidian District
Beijing, China

Kai Wang

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Aim to Solve Any Technical Problems

Employment

Senior Software Engineer	BigOne Lab, China	Dec 2017 – Oct 2019
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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 the development of the web dashboard. (React, Node.js, Elasticsearch, Redis, Code Review)
- Developed web crawlers to extract public data. (Python, Scrapy, Reverse Engineering)

Big Data Engineer	Ping++, China	Dec 2015 – Nov 2017
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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)

Software Engineer	Amazon, China	Apr 2014 – Oct 2014
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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)

Software Engineer	IBM, China Development Lab	Jul 2009 – Apr 2014
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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

Beijing	Beijing University of Technology	Sep 2002 – Jul 2009
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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 372th. (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"