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China

Kai Wang

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Employment

Big Data Engineer	Ping++	Dec 2015 – Nov 2017
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Growth Intelligence

- Implemented ETL for payments, ID mapping, BI, internal stats. (Aliyun MaxCompute, SQL, Java)
- Initiated and developed a web crawler to scan company information from web pages. (Python)
- Implemented a sales amount prediction application based on machine learning. (Xgboost, Python, Shell Script)
- Developed fast algorithms to decrypt millions of hashed IMEI IDs. (Java, AWS EC2)

SDE	Amazon, China	Apr 2014 – Oct 2014
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MFNCOD (Merchant Fulfillment Network, Cash On Delivery)

- Implemented the integration of ship track information from the carrier Best Express into Amazon China MFN. (Java, JSON, Git)
- Enhanced the internal tool used by the operational team. (Ruby on Rails)
- Achieved 90%+ code coverage. (Unit Test)
- Made Data Warehouse reports on a regular basis for operational monitoring. (SQL)

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

- Redesigned the output of report generation from HTML to XML/XSLT, which separates the content and style for easy support of report presentation in different styles.
- Initiated and developed a test data builder tool for simplifying test data copy across environments, saving manual work by 85%. (JDBC, Gson, jQuery, ZeroClipboard)
- Initiated and developed a web viewer for displaying the hierarchy of underlying decision making tree, reducing the number of switches between UI panels by 80%. (jsTree, Flexigrid, RESTful API)

Education

Beijing	Beijing University of Technology	Sep 2002 – Jul 2009
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- M.Eng. Degree in Computer Applied Technology, Jul 2009. GPA: 3.5
- B.Eng. Degree in Computer Science and Technology, Jul 2006. GPA: 3.6

Additional Experience and Awards

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- **GitHub Account:** <https://github.com/charles-wangkai>
 - **Google Distributed Code Jam (2016):** Advanced to Round 2. Ranked 175th. (ID: goalboy1015)
 - **Google Code Jam (2014):** Advanced to Round 2. Ranked 670th. (ID: goalboy1015)
 - **IBM CDL I/O Contest (2013):** A 3-day hackathon. Ranked 5th out of 64 projects. Developed a mobile app for reading analytics and recommendations.
 - **Project Euler (<https://projecteuler.net>):** Level 13. Solved 325 problems. (ID: goalboy)
 - **HackerRank ProjectEuler+ Contest (<https://www.hackerrank.com/projecteuler>):** Ranked top 4 out of 70000+ participants. (ID: goalboy)
 - **Topcoder - College Tour Beijing (2008):** Second Prize. Ranked 15th. (ID: GOALBOY)

Languages and Technologies

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- Java; Python; SQL; Shell; C/C++/Obj-C; HTML/CSS/Javascript; R; Octave/MATLAB; Haskell
 - Hadoop; Android/iOS Programming; Ruby on Rails; WebGL
 - Algorithms; Machine Learning

Favorite IT Books

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- Programming Pearls, 2nd Edition (Did all the exercises)

- The Mythical Man-Month, Anniversary Edition
- Clean Code