

WeiHai Shen

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Education

Master of Computer Science Aug. 2018 ~ May 2020
Arizona State University, Tempe, AZ 3.56/4.0
Subjects: Pattern Cognition, Machine Learning, Natural Language Process, Perception in Robotics

Bachelor of Geographic Information Systems Sep. 2010 ~ Jul. 2014
Nanjing University of Posts and Telecommunications, Nanjing, China 3.68/4.0 (Rank: 1/107)

Technical Skills

Languages: Python, JAVA, PHP, SQL, C, C++, Shell

Frameworks: Hadoop, HBase, Hive, Spark, Storm, TensorFlow

Algorithms: Machine Learning, Natural Language Processing, Deep Learning, Optimization

Full-time Experience

Senior Software Development Engineer & Data Engineer Jun. 2016 ~ Jun. 2018
Byte-dance Inc., Beijing, China

- Led the team to design and complete a statistical and real-time big-data platform using spark, storm, hbase, python and no-sql
- Designed a data warehouse to monitor and improve the long-term retention rate of users with hive and tableau
- Built a platform integrating multiple ads engine API that is able to control the status of thousands of keywords to promote the user growth intellectually

Software Development Engineer Apr. 2015 ~ Jun. 2016
Baidu Inc., Beijing, China (China's Google)

- Designed and constructed a big-data tool to analyze the performance of each updated version of the app with hive
- Participated in the application performance optimization project, especially in the aspect of data storage optimization via no-sql and distributed deployment
- Built RESTful APIs with PHP to update the app all the time to attract users' attention

Software Development Engineer Jul. 2014 ~ Apr. 2015
58 & Ganji Inc., Beijing, China (China's Craigslist)

- Greatly improved the website's search engine ranking by optimizing metadata, publishing relevant contents and improving access speed
- Re-designed the indices and sharding of MySQL to accelerate database access speed
- Responsible for designing, coding and modifying websites, from layout to function according to clients' specifications

Campus Experience

Graduate Service Assistant Sep. 2018 ~ Dec. 2018
Arizona State University, AZ, United States

- Collaborated in the ml project to integrate machine learning into the industrial decision-making
- Responsible for the entire infrastructure design using Model-View-Control design pattern and micro-services software architecture to achieve maintainability and scalability