

Python Software Developer - Research Assistant Python Software Developer - Research Assistant

Python Software Developer Waltham, MA Work Experience Python Software Developer - Research Assistant Sloan Project Brandeis University February 2019 to Present | Scrape age information of 2 million records (0.4G) on three websites using limited number of process | Scrape 16 million patent records (1.6G) through public API and format the data using pandas Python Software Developer - Data Engineer Youxin Financial Technology December 2017 to July 2018 | Auto Mailing System: query and send over 1000 emails with required data to different departments before 10 am every day | Scrapy Crawl System: crawl 30 competitors' information on relative websites and save it to database every 3 minutes | Kafka Monitoring: add Kafka monitoring through jmx on Grafana | Real time index calculation: calculate the number of customers who have ever invested in our company's financial product in real-time. Transaction data processed per minute is around 1k

Software Developer Shenzhen Ruiyinxin Technologies March 2017 to October 2017 | User's Churn Analysis: Design an index to define churn customers based on historical data, train SVM models on certain data of customers and predict the possibility of churn of certain customers with trained models Software Developer Beijing Yiboyihui Technologies October 2016 to March 2017 | Preprocess the traces of walking users with different algorithms (Kalman filter, Gaussian filter, and Douglas-Keuckper) | ZHTU Outdoor app: Image manipulation, OAuth2 login and sharing Software Developer Intern Tiandy Technologies July 2016 to September 2016 | Develop backend system to store information from parking lot cameras on server | Deploy the whole system to various client machines

PROJECT Education M.S. in Computer Science in Computer Science Brandeis University September 2018 to December 2019 B.S. in Public Finance in Finance Nankai University September 2009 to December 2016 Heidelberg University September 2014 to August 2015 Skills Apache hadoop hdfs (Less than 1 year), Apache kafka (Less than 1 year), Git (2 years), Hadoop distributed file system (Less than 1 year), Hdfs (Less than 1 year), Hive (Less than 1 year), Java (Less than 1 year), Kafka (Less than 1 year), Mysql (2 years), Python (2 years), Scala (Less than 1 year) Links <https://github.com/JasonNK> Additional Information TECHNICAL SKILLS PROGRAMMING LANGUAGES OTHERS Java, Python, Scala, Shell, nodejs Cloudera, Hive,

HDFS, Grafana, Kafka, Flink, MySQL, Hibernate, Git

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