

Bohan Zhang

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EDUCATION

Beijing University of Posts and Telecommunications <i>Bachelor of Computer Science</i>	Beijing Sept. 2017 – July 2021
<ul style="list-style-type: none">Rewards: Second-class Scholarship (top 15%); General GPA: 3.7; TOEFL: 94Major Relevant Courses Taken: Computer Networks, Machine Learning, Database System Principles, Operating Systems, Natural Language Processing.	

EXPERIENCE

SDE Intern <i>ByteDance Inc.</i>	Oct. 2020 – Present Beijing
<ul style="list-style-type: none">Cooperated to work on a creative deriving platform. Designed features and NN to reduce unnecessary Ads deriving for over 50%.Used SQL and Flink to build a high-real-time posterior data collection system for pre-training models.Established TB-level data filtering streams via Redis and Hive, reducing downstream pressure by 23%.	
Research Intern <i>System Research Group, Microsoft Research Asia</i>	June 2020 – Oct. 2020 Beijing
<ul style="list-style-type: none">Refined an Auto-ML framework, NNI, as team member on GitHub. Implemented NAS algorithms, eg. DARTS and ENAS.Used NAS to help the Bing team improve the text classification model; improved regression score by 5% and decreased the model size by 3%.Modified the Tensorflow source code to simulate an environment where a neural network runs on in a distributed way.Participated in Practicing Station and design labs for NAS beginners on campus.	
Research Assistant <i>Tsinghua University</i>	Apr. 2019 – Aug. 2019 Beijing
<ul style="list-style-type: none">Read papers related to knowledge graph embedding, eg. TransE, TransH and reproduce the experiments.Reproduced paper <i>Is Word Segmentation Necessary for Deep Learning of Chinese Representations</i>.	

PROJECTS

Campus Conference Voting System <i>Golang, Git, SQL</i>	Nov. 2019 – Apr. 2020
<ul style="list-style-type: none">Developed an online voting system using Gin and put it to use online with maximum Query Per Second over 2000.Implemented an OAuth module to get user's identity from Gateway on campus.	
Distributed Lab <i>Golang, Git</i>	June 2018 – July 2018
<ul style="list-style-type: none">Reproduced MapReduce and Raft using Golang.Implemented a URL counter for large-scale dataset. It can complete the processing of GB-level data in less than a minute.	
DNS Proxy <i>Golang, Git</i>	Mar. 2019 – Mar. 2019
<ul style="list-style-type: none">Increased concurrency performance by opening threads to handle messages.Used Golang to implement the DNS protocol and completed a DNS relay with blocking, forwarding, and storing features.	

CLUB AND ORGANIZATION EXPERIENCE

Technical Chair <i>Microsoft Student Club</i>	Sept. 2018 – June 2019 <i>Beijing University of Posts and Telecommunications</i>
<ul style="list-style-type: none">Organized technical sharing within the school, with more than 100 participants.Participated in the 2018 Microsoft hackathon, and created a distributed sharing platform with teammates.	

TECHNICAL SKILLS

Well-skilled programming in Python and Golang.
Familiar frameworks: PyTorch, Tensorflow, Django and Gin; Packages: numpy, sklearn, matplotlib