

XUDONG WANG

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OBJECTIVE

An MSc Computer Science with Speech and Language Processing course postgraduate. Currently working at Chaitin Technology as an R&D engineer (engineering direction) of Alibaba Cloud web application firewall team. Seeking a software engineering position to further develop expertise and positively contribute towards the company's further success.

SKILLS

Programming Language: Python, Java, Go.
Framework: Django, Flask.
Database: Redis, MySQL.
Language: English: proficient, level C1. Mandarin Chinese: mother tongue.

RELEVANT EXPERIENCE

Research and Development Engineer Dec 2019 - Present
Beijing Chaitin Technology Co., Ltd. (Alibaba Group Subsidiary)
Designed and co-designed new features, e.g. ARM support, OpenAPI, authorization and quota management, internationalization, mutual TLS authentication, national cryptographic algorithms support, configuration generation efficiency optimization (~20x faster), incremental update/rollback, and general asynchronous task mechanism.

Software Engineer (Part-time) Nov 2018 - Mar 2019
VoiceBase Centre for Speech and Language Technology, the University of Sheffield
Evaluated performance of Speech-To-Text engine DeepSpeech with AMI, WSJ, and Switchboard datasets. Implemented parallel and distributed GPU training for the research centre cluster.

EDUCATION

M.Sc. Computer Science with Speech and Language Processing Sept 2018 - Nov 2019
University of Sheffield, UK.
Dissertation: Topic Label Generation with the Recurrent Neural Network and seq2seq Models.

B.Sc. Computer Science Sept 2017 - July 2018
University of Portsmouth, UK. CSC Scholarships.
Dissertation: AlphaZero Algorithm and Generalised Representation in Gomoku game.

B.Eng. Computer Science and Technology Sept 2014 - July 2018
Shandong Jianzhu University, P.R. China.

MINOR PROJECTS

Open-Source Version of Mathpix Snip App, Side Project, Oct 2019 - Present git.io/img2latex
Extract and convert formula images to \LaTeX format by JavaFX and MathpixOCR API.
800+ stars, 13K+ downloads, 20+ version released.

Java Code Similarity Detection App - Backend, Team Software Project, May 2019 bit.ly/2tSqf3U
Generate similarity report for every submission after the abstract syntax tree comparison.

AlphaZero Algorithm in Reversi Game - Algorithm, HackSheffield 4.0, Oct 2018 git.io/othello
Training AI with AlphaZero algorithm and learning the mistakes made against humans.

LAN Tank Game - Graphic, Side Project, Feb 2017 git.io/tankworld
Developed with Java AWT and Swing. TCP and UDP are applied in the game for data transmission.

References available upon request

Latest version git.io/wang.pdf