CHEN ZHANG

Email: chen.zhang@nyu.edu

Education

M.S. in Computer Science, New York University, Courant Institute of Mathematical Science, New York, N GPA: 3.892/4.000	Y May 2018
B.S. in Electronic and Information Science and Technology , <i>Fudan University</i> , Shanghai, China GPA: 3.48/4.00 Ranking: 18/100	June 2016
Work Experience	
Software Engineer, Tools and Infrastructure Intern June - Google Inc. Los Angeles, CA Implemented a Patthon API and code behind to inspect various production monitoring signals and detect	August, 2017
 Implemented a Fython AFT and code behind to inspect various production monitoring signals and detect Productionized an internal tool that automates the optimization of anomaly detection on a YouTube Ac monitoring system Collaborated with internal clients to improve the end-to-end user experience 	ls production
Publications	
 C. Zhang, Y. Xu, Y. Zhou, X. Fu. On the "Familiar Stranger" Phenomenon in a Large-scale VoD Proceedings of IEEE Infocom Workshop NetSciCom' 2017 (2017) A. Wang, C. Zhang, Y. Xu. A First View on Mobile Video Popularity as Time Series. In Proceedings of A Workshop HotPOST'16 (2016) Best Paper Bunner-Up. 	System. In CM MobiHoc
ACADEMIC EXPERIENCE	
Aritifitial Intelligence, New York University, New York, NY https://github.com/zhangcshcn/Generic-Iterative-Deepening • Implemented API for BFS, DFS, ITERATIVE DEEPENING, and the hybird search method. • Generalized the API by defining SEABCHABLE and STATE as superclasses	2018 Spring
Course Project - Scalable, Fault-Tolerant Distributed Key-Value Storage System (Golang) Distributed Systems, New York University, New York, NY	2017 Fall
 Built a robust and intearizable distributed log replication system based on Rait Implemented a linearizable, robust, and memory efficient distributed k/v storage system on top of the s log replication system Sharded the k/v storage system for scalability 	elf-built Raft
• Developed a set of interface for easy load-balancing Course Project - Sudoku Solver Using GPU Parallel Computing (Cuda) <i>GPU, New York University, New York, NY</i> https://github.com/zhangcshcn/SudokuSolver	2017 Fall
 Developed a parallelized stochastic solution to Sudoku for NVIDIA GPUs Course Project - WikiNet: Wikipedia as a Network (Python, django) Web Sourch Engines, New York University, New York, NY 	2017 Spring
 web Search Engines, New York University, New York, NY https://github.com/zhangcshcn/wse-wikiNet Built a heuristic crawler to download connected Wikipedia pages that are semantically highly related Created a topology-based algorithm to find the most semantically related paths between Wikipedia pages 	3
 Developed a front-end interface and deployed onto school server Course Project - Part-of-Speech Tagging using HMM (Python) Natural Language Processing, New York University, New York, NY https://github.com/zhangcshcn/hmm_POStagger Combined 1st_ and 2nd-order Markov model and implemented Vitorbi decoding 	2017 Spring
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- Used Hapax Legomena with Open Class as well as suffix and morphological features to handle unknown words
- Ranked No. 1 in accuracy among the class

Research Assistant - MediaNET

 $Fudan\ University,\ Shanghai,\ China,\ supervised\ by\ Dr.\ Yuedong\ Xu$

- Worked on video popularity studies, user behavior analysis, time series analysis
- Published two research papers at IEEE and ACM workshops, one of which won the Best Paper Runner-Up award

Computer Skills

LANGUAGES:	Python, Java, Go, C/C++, MATLAB, Assembly
PLATFORMS:	Linux, CUDA, Windows, Microcontrollers, FPGA
Also Skilled In:	Agile Development, Scrum, Django, Flask, PyTorch, Computer Vision, NLP, Machine learning

2015-2016