Wenjie YANG

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EDUCATION

2017.Sep - 2018.Dec	CARNEGIE MELLON UNIVERSITY, INI	**Pittsburgh, PA**
	M.S. in Information Technology, Mobility	
	Courses: Parallel System , Database System, Storage System, Cloud Computing	
2013.Sep - 2017.June	SHANGHAI JIAO TONG UNIVERSITY	**Shanghai, CHINA**
	B.S. in Computer Science GPA: 87.2/100(overall), 89.8/100(major)	

EXPERIENCE

2018.MAY - 2018.AUG	**LinkedIn**	**Sunnyvale, CA**
	Software Engineer Internship, C++	
	Build and enable OCSP stapling in Apache Traffic Server in LinkedIn	
	Reduce HTTPS handshake latency in all LinkedIn's services	
2017.FEB - 2017.JUN	**Pygmal Technology**	**Shanghai, CHINA**
	Software Development Engineer Internship, C++, DX11	
	Built a VR 3D modeling software on HTC Vive/Oculus Rift, allowing users to create VR 3D models	
	Evaluated computer graphics algorithms like Shadow Mapping, View frustum culling's performance	
2016.NOV - 2017.JAN	**Yitu Technology**	**Shanghai, CHINA**
	Software Development Engineer Internship, C++, Kafka	
	Developed a message queue system based on Kafka for large scale face-recognition system	
2016.JUL - 2016.SEP	**Tencent Technology**	**Shenzhen, CHINA**
	C++ Back-End Engineer Internship, C++	
	Built a large-scale digital distribution platform, especially focus on server of the social system	

PROJECTS

2016.SEP - 2017.JAN	*TiKV database*	
	RUST, DISTRIBUTED KV DATABASE, 3300 STARS ON GITHUB	
	Improved the Raft Consensus algorithm by adding pre-elect algorithm inspired by ZooKeeper	
	Implemented development tools for Multi-Version Concurrency Control(MVCC) Key-Value scanning	
2016.APR - 2016.SEP	*Servo Browser Engine*	
	RUST, BROWSER ENGINE, 12000 STARS ON GITHUB	
	Improved the protocols used for Firefox developer tools, like redirecting requests	
	Improved tidy checkers in style checkers, keeping the project's code style automatically	
2017.SEP - 2017.DEC	*CloudFS: Hybrid File System*	
	C/FUSE, A HYBRID FILE SYSTEM	
	Implemented a FUSE-based file system utilizes the speed of local SSD, high capacity of cloud storage	
	Supported deduplication (Rabin fingerprinting), client caching, file system snapshot and recovery.	
2015.MAR - 2015.JUN	*YOS Kernel from scratch*	
	Experience with bare metal programming; Support preemptive scheduler with Round-Robin algorithm; Create symmetric multiprocessing system; Implemented file system through IPC	
2017.SEPT - 2017.DEC	*Disk-oriented Storage Manager for SQLite*	
	Implemented buffer pool management, transaction manager, WAL and log-based recovery.	
	Built a concurrent B+ tree index supporting multi-threaded updates.	
2018.MAR - 2018.MAY	*Low-Poly image generator accelerated by CUDA*	
	C/C++, CUDA, A LOW-POLY STYLE TRANSLATOR	
	Implemented a CUDA-accelerated delaunay triangulation to transform a image to triangles	
	Write a high-performance shader to transform the triangles into a image	

SKILLS

PROGRAMMING LANGUAGES	Proficient:C/C++/Python/Rust, Familiar: Java/Javascript
PLATFORMS & TOOLS	Linux & UNIX, *NIX, AWS, Hadoop, Spark, HBase, Kafka, MySQL