

HAO WU

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EDUCATION	Carnegie Mellon University Information Networking Institute Master of Science in Information Networking Selected Coursework: Introduction to Computer Systems (15-513, 2017Fall), Packet Switching and Computer Networks(18-756, 2017Fall)	Pittsburgh, PA (Expected) Aug. 2017 — May. 2019
	Shanghai Jiao Tong University University of Michigan - Shanghai Jiao Tong University Joint Institute (UM-SJTU JI) Bachelor of Engineering, Electrical and Computer Engineering	Shanghai, China Sept. 2013 — Aug. 2017
SKILLS	Programming/Scripting Languages: (Proficient) C, C++, Python; (Familiar) SQL, MATLAB, Verilog Platforms: Unix, Linux, Windows, Mac OSX Frameworks and tools: Django, Docker, Spark, Keras, Git, \LaTeX	
EXPERIENCE	Intel Asia-Pacific R&D Ltd. <i>Big Data Team, Software Engineering Intern</i>	Shanghai, China Aug. 2016 — Dec. 2016
	<ul style="list-style-type: none">Participated in construction of a Docker based infrastructure management & DevOps automation for big data systems and designed plugins to developed node management platform for ETCD systemImproved user interface to better list applications that are under management	
	Data & Knowledge Management Lab <i>Shanghai Jiao Tong University, Research Student</i>	Shanghai, China Apr. 2016 — Aug. 2016
	<ul style="list-style-type: none">Applied K-means algorithm to realize user and job clustering, then built recommendation system with given user features to predict job postings that a user would prefer to click on	
SELECTED PROJECTS	Teaching Assistant Introduction to Cryptography, UM-SJTU JI Introduction to Operating System, UM-SJTU JI Introduction to Logic Design, UM-SJTU JI Introduction to Computer and Programming, UM-SJTU JI	Shanghai, China Apr. 2017 — Aug. 2017 Sept. 2016 — Dec. 2016 May. 2016 — Aug. 2016 Sept. 2015 — Dec. 2015
	Online Judge System for Cryptography Course <i>Introduction to Cryptography, UM-SJTU JI</i>	Apr. 2017 — Aug. 2017
	<ul style="list-style-type: none">Developed online judge website by Django for students to realize black-box attack upon the cryptographic protocols implemented by others and to inquire current scoreboard	
	Machine Learning: Think and Speak <i>Team Leader, Capstone with Siemens</i>	Apr. 2016 — Dec. 2016
	<ul style="list-style-type: none">Developed intelligent sensor monitoring system based on Python for the manufacturing scenario which could collect sensor data to databaseApplied neural networks (Keras) based on collected data to recognize type of component and detect exceptional situations, then reported predictions at interactive mobile client which is controlled by voice input	
	Shallow Discourse Parsing of Implicit Discourse Relations <i>Shanghai Jiao Tong University</i>	Apr. 2016 — Aug. 2016
	<ul style="list-style-type: none">Applied Maximum Entropy Model by Python and achieved 40.5% accuracy, same as the world best result in 2009Introduced word embedding into CNN (Keras) model and improved accuracy to 46.79%	
	32-bit Pipelined Processor Simulation <i>Team Leader, UM-SJTU JI</i>	Sept. 2015 — Dec. 2015
	<ul style="list-style-type: none">Realized both single-cycle and pipelined MIPS-Architecture CPU in Verilog based on FPGA board	
	AFL Football Matches Prediction Modeling <i>Data & Knowledge Management Lab, Shanghai Jiao Tong University</i> <i>CIKM Machine Learning Competition 2015, Final Rank (16/33)</i>	Aug. 2015 — Sept. 2015
HONORS& AWARDS	<ul style="list-style-type: none">Selected effective features for Australian Rules Football games and applied Logistic Regression Model to obtain prediction results	
	Shanghai Outstanding Graduates	May. 2017
	Capstone design Silver Award of JI Design Expo	Dec. 2016
	SJTU Outstanding Undergraduate Scholarship (Top 10% in SJTU)	2014&2015&2016
	Dean's List (term GPA>3.5)	2014&2015&2016
	ACM International Collegiate Programming Contest Jing Hua Division, Silver Medal	2013