HAO WU

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EDUCATION	**Carnegie Mellon University**	Pittsburgh, PA (Expected)
	Information Networking Institute	Aug. 2017 — May. 2019

Master of Science in Information Networking
Selected Coursework: Introduction to Computer Systems (15-513, 2017Fall), Packet Switching and Computer Networks(18-756, 2017Fall)

Shanghai Jiao Tong University   Shanghai, China
University of Michigan - Shanghai Jiao Tong University Joint Institute (UM-SJTU JI)   Sept. 2013 — Aug. 2017
Bachelor of Engineering, Electrical and Computer Engineering

SKILLS

Programming/ScriptingLanguages: (Proficient) C, C++, Python; (Familiar) SQL, MATLAB, Verilog
Platforms: Linux, Unix-like Systems, Windows, Mac OSX
Frameworksand tools: Django, Docker, Spark, Keras, Git, LaTeX

EXPERIENCE

Intel Asia-Pacific R&D Ltd.   Shanghai, China
Big Data Team, Software Engineering Intern   Aug. 2016 — Dec. 2016

- 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 system
- Improved user interface to better list applications that are under management

Data & Knowledge Management Lab   Shanghai, China
Shanghai Jiao Tong University, Research Student   Apr. 2016 — Aug. 2016

- 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

Teaching Assistant   Shanghai, China
Introduction to Cryptography, UM-SJTU JI   Apr. 2017 — Aug. 2017
Introduction to Operating System, UM-SJTU JI   Sept. 2016 — Dec. 2016
Introduction to Logic Design, UM-SJTU JI   May. 2016 — Aug. 2016
Introduction to Computer and Programming, UM-SJTU JI   Sept. 2015 — Dec. 2015

SELECTED PROJECTS

Online Judge System for Cryptography Course   Apr. 2017 — Aug. 2017
Introduction to Cryptography, UM-SJTU JI

- 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 Speek   Apr. 2016 — Dec. 2016
Team Leader, Capstone with **Siemens**

- Developed intelligent sensor monitoring system based on Python for the manufacturing scenario which could collect sensor data to database
- Applied 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   Apr. 2016 — Aug. 2016
Shanghai Jiao Tong University

- Applied Maximum Entropy Model by Python and achieved 40.5% accuracy, same as the world best result in 2009
- Introduced word embedding into CNN (Keras) model and improved accuracy to 46.79%

32-bit Pipelined Processor Simulation   Sept. 2015 — Dec. 2015
Team Leader, UM-SJTU JI

- Realized both single-cycle and pipelined MIPS-Architecture CPU in Verilog based on FPGA boad

AFL Football Matches Prediction Modeling   Aug. 2015 — Sept. 2015
Data & Knowledge Management Lab, Shanghai Jiao Tong University
CIKM Machine Learning Competition 2015, Final Rank (16/33)

- Selected effective features for Australian Rules Football games and applied Logistic Regression Model to obtain prediction results

HONORS& AWARDS

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