

HAO WU

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EDUCATION

Carnegie Mellon University, Pittsburgh, U.S.

Aug. 2017 — May. 2019

Information Networking Institute

Expect M.S. in Information Networking

Shanghai Jiao Tong University, Shanghai, China

Sept. 2013 — Aug. 2017

University of Michigan - Shanghai Jiao Tong University Joint Institute (UM-SJTU JI)

B.S. in Electrical and Computer Engineering

SELECTED PROJECTS

Machine Learning: Think and Speak

Apr. 2016 — Dec. 2016

Team Leader, Capstone with Siemens

- Developed intelligent sensor monitoring system for the manufacturing scenario at factory which could collect sensor data on database
- Applied neural network models based on collected data to recognize type of component and detect exceptional situations
- Report predictions at interactive mobile client which is controlled by voice input

Shallow Discourse Parsing of Implicit Discourse Relations

Apr. 2016 — Aug. 2016

Team Leader, SJTU

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

32-bit Pipelined Processor Simulation

Sept. 2015 — Dec. 2015

Team Leader, UM-SJTU JI

- Modelled both single-cycle and pipelined MIPS-Architecture CPU in Verilog
- Implemented the pipelined CPU on FPGA board
- Showed data in register files with SSDs and LEDs

AFL Football Matches Prediction Modeling

Aug. 2015 — Sept. 2015

Team Leader, Data & Knowledge Management Lab, SJTU

CIKM Machine Learning Competition 2015, Final Rank (16/33)

- Select effective features for Australian Rules Football games
- Applied Logistic Regression Model to obtain prediction results
- Measured the accuracy of models via cross-validation

WORKS& EXPERIENCE

Intel Asia-Pacific R&D Ltd.

Aug. 2016 — Dec. 2016

Big Data Team, Software Engineering Intern

- Researched on open-source distributed toolkits and designed corresponding plugins (e.g., developed node management platform for ETCD system)
- Built up OpenStack on cluster with Docker containers
- Adopted Agile Software Development approach

Teaching Assistant

Course: Introduction to Cryptography, UM-SJTU JI

Apr. 2017 — Aug. 2017

Course: Introduction to Operating System, UM-SJTU JI

Sept. 2016 — Dec. 2016

Course: Introduction to Logic Design, UM-SJTU JI

May. 2016 — Aug. 2016

Course: Introduction to Computer and Programming, UM-SJTU JI

Sept. 2015 — Dec. 2015

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

Honorable Mention of Mathematical Contest In Modeling (MCM)

2014

ACM International Collegiate Programming Contest Jing Hua Division, Silver Medal

2013

PERSONAL

COMPUTER SKILLS

- **Platform:** Windows, Linux, OS X
- **Programming Language:** C/C++, Python, Verilog HDL, MIPS Assembly, \LaTeX

LANGUAGE SKILLS

- Mandarin (native), English (fluent)