HAO WU

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA Aug. 2017 — May. 2019
Expect Master of Science in Information Networking, Information Networking Institute
Selected Coursework: Introduction to Computer Systems (15-513, 2017Fall), Packet Switching and Computer Networks(18-756, 2017Fall)

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

SKILLS

Programming/ScriptingLanguages: (Proficient) C, C++, Python; (Familiar) SQL, MATLAB
Frameworksand tools: Django, Docker, Spark, Keras, Git, LaTeX

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

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

- Applied K-means algorithm to realize user and job clustering. Thus to built recommendation system model with given user features and predicted job postings that a user would prefer to click on

SELECTED PROJECTS

Machine Learning: Think and Speek 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
- 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 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
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
- Applied Logistic Regression Model to obtain prediction results
- Measured the accuracy of models via cross-validation