HONG WANG

PERSONAL DATA

PLACE AND DATE OF BIRTH: China | 27 October 1995
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EDUCATION

Sep 2014-Present B.S. in COMPUTER SCIENCE, **Nanjing University**(Advisor: Prof.Yang Yu)
Major GPA: 4.60/5.0   Major Rank: 4/156

RESEARCH INTERESTS

Artificial Intelligence, Machine Learning
Reinforcement Learning, Data Mining

PUBLICATION

Hong Wang, Hong Qian and Yang Yu. *Noisy Derivative-free Optimization with Value Suppression.*
In **Proceedings of the 32nd AAAI Conference on Artificial Intelligence (AAAI'18)**.

RESEARCH EXPERIENCE

Oct 2017-Present Internship at ML Group in Microsoft Research Asia
     mentored by Dr.Tao Qin in MSRA

My task is to build classification systems and models for ads relevance and click prediction. I investigated the rationality of data, extract new features, design new models and try to tackle the position bias Problem in advertisement.

Oct 2016-Sep 2017 Learning And Mining from DatA group(LAMDA), NJU
     work with Prof.Yang Yu at Nanjing University in China

I proposed a novel mechanism called value suppression to help improve the performance of derivative-free algorithms under noisy environment. Experiments verify that the proposed mechanism performs better than other existing mechanisms.

Des 2016-May 2017 ImpSynt Program Synthesizer
     work with Prof.Xiaokang Qiu at Purdue University in USA

Automatically synthesized data-structure manipulations and proved their correctness.

Sep 2016-Present Research on drone security
     work with Prof.Lei Bu in Nanjing University in China

Apply GPS spoof on Dji M100 and then prevent drones from such an attack.

SCHOLARSHIPS

National Endeavor Scholarship   Oct 2015, Oct 2016
National Scholarship (Top 3 among 150 students at CS Departement, NJU)   Oct 2017

PROJECT EXPERIENCE

Retrieve Information from Log Files by Using Map-Reduce

Use Map-Reduce to analyse data in log files, like counting and predicting the frequency of URL.

A Compiler of Simplified C Language

A compiler supporting array, structure, function and other basic statement in C language.

A Complete Full-system x86 Emulator

An emulator that can run small x86 programs, typing game and a game of "Legend of Sword and Fairy".

An Operating System running on x86 emulator

An operating system that can allocate and manage memory, load and schedule processes.