

HANG WANG

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🎓 EDUCATION

University of Science and Technology of China (USTC), Hefei, China 2014 – 2018

B.S. Automation, **Honored Program** in Information Science and Computer Science

G. P. A. 3.6/4.3 (rank 7/93)

Twente University, Enschede, Netherlands

June, 2017 – Oct, 2017

CSC Research Internship in Biomedical Signals and Systems(BSS)

📖 RESEARCH INTEREST

Data Mining and Knowledge Discovery, Business Intelligence/Analytics, Cloud Computing, Deep learning

⚙️ PUBLICATION

- Graphic Model Based Drug Recommender System(**USTC Best Bachelor Thesis, Top 5%**), **Hang Wang**, 2018 Class, USTC, details [here](#)
- Dual-layer Strengthened Collaborative Topic Regression Modeling for Predicting Drug Sensitivity (**Hang Wang**, Jianing Xi, Minghui Wang, Ao Li, 2018) *IEEE/ACM Transactions on Computational Biology and Bioinformatics*(TCBB), 10.1109/TCBB.2018.2864739, available [here](#).
- One Inertial Sensor Based Upper Extremity Usage Measurement and Standard (**Hang Wang**, Mohamed Irfan Mohamed Refai, B. J. F. van Beijnum, 2018), Oral Presentation by Irfan, research thesis is available [here](#) and paper is available [here](#), 7th Dutch Bio-Medical Engineering(BME) Conference, Egmond aan Zee, Netherland.

👥 EXPERIENCE

DEEP LEARNING PLATFORM OPTIMIZATION

July, 2018 – Present

Sensetime, Shenzhen Supervisor: Dr. Sun Peng (NTU PhD)

- conventional DNN model and mnist trial on caffe
- sparse communication optimization for deep learning algorithm

PRECISION MEDICINE RECOMMENDER SYSTEM, HI lab, USTC

Feb, 2017 – Present

National Natural Science Foundation Program Supervisor: Prof. Li Ao

- design a PGM model to integrate multi-source information
- establish a novel bayesian-based collaborative topic regression model
- develop a variational EM algorithm to learn the maximum a posterior estimates
- validate and compare the efficiency on GDSC public data set.

DATA FUSION FOR ARM REHABILITATION SYSTEM

June, 2017 – Sept, 2017

Netherlands National Project: NeuroCIMT Supervisor: Dr.ir. B. J. F. van Beijnum

- kinematics modeling for patients with central neurological disorders.
- put forward a novel processing structure to measure the arm usage.
- pattern recognition for the motion types through statistics learning.

ELECTRONIC and ROBOT DESIGN CONTEST

Jun, 2015 – Oct, 2016

Talent Program in USTC Supervisor: Mr. Alberto (Hackaday project, Spain)

1st Prize(1/13), video available [here](#)

- optimize the filtering algorithm for the stability of the four-rotor aircraft.

- design Microcontroller Unit(MCU & FPGA) by using Altium Designer.
- adjust the control core-sytem for self-reconfigurable robot.

♥ HONORS

Honorable Degree in School of Information Science and Technology	Talented program, 2017
The Silver Prize Scholarship	Top 10%, 2017
University-level excellent League leader	Top 5%, 2016
University-level excellent League member	Top 5%, 2015
Excellent leader of the Student Union	Outstanding leadership, 2015
Shanghai Institute of Microsystem and Information Technology Scholarship	Top 5%, 2015
Chen Guilin leadership scholarship	Outstanding leadership, 2015
Scholarship for Outstanding Fresher	2014

📖 EXTRACURRICULUM EVENTS

Principles of Automatic Control	Teaching assistant, 2017
Comprehensive Affair Office of the <i>USTC Student Union</i>	Director, 2016–2017
USTC Alumni Forum	Outstanding volunteer, 2016
<i>Go Abroad from USTC</i> Handbook	Editor, 2015
General affairs in class 3	Commissary, 2014–present
Interest group on <i>Quantum Communication</i>	Group leader, 2014–2015
Chinese amateur violin certificate, level 8	Amateur violinist, 2012

🔧 SKILLS

Machine languages: C, C++, R, Python, Java, HTML, SQL, Matlab, \LaTeX , Verilog

Human languages: Native Chinese, Fluent English, Simple Dutch, Simple Japanese

📚 RELATED COURSES

Course	Type	Score	Course	Type	Score
Function of Complex Variable	Math	A	Fundamental signal and Image Processing	CS	A+
Equation of Mathematical Physics	Math	A	Data structure and Algorithm	CS	A
System Identification	Math	A+	Operating System and Database	CS	A
Mathematical Analysis B1	Math	A-	Fundamentals of Computer Control	CS	A+
Fundamentals of Operations Research	Math	A-	Computer programming	CS	A-
Stochastic Processing	Math	A	Modern Control Theory	EE	A+
Lineal Algebra	Math	A-	Signals and Systems	EE	A-
Fundamentals of Electronic System Design	EE	A-	Sensor principle	EE	A+
Principles of Automatic Control	EE	A	Basic Circuit Theory	EE	A-
Digit logic Circuit	EE	A	Electromagnetism(C)	EE	A-

📧 REFEREE

Prof. Ao Li aoli@ustc.edu.cn

Prof. Yong Wang yongwang@ustc.edu.cn

Prof. Bert-Jan van Beijnum b.j.f.vanbeijnum@utwente.nl

———*Thank you for your time and consideration*———