Lingkun Kong

Computer Science Department

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⌂ *ohyoukillkenny.github.io*

Education

2014–present | **Shanghai Jiao Tong University**, BS.
Major GPA: 92.08/100; Rank: 4/146; Overall GPA: 90.43/100 Rank: 6/146
TOEFL :105 (Reading: 29; Listening: 28; Speaking: 23; Writing: 25)

Study Interests

Data-mining and Machine Learning.

Publications

Thesis | **Lingkun Kong**, Bo Wang, Jiaqi Liu, Luoyi Fu, Xinbing Wang, Guihai Chen *Wandering Between Close and Apart: Are Scholarly Domains Crossable?*, ICDM 2017, under review

Fengyu Deng, **Lingkun Kong**, Jiaqi Liu, Jinghao Zhao, Jialu Wang, Luoyi Fu, Xinbing Wang, *Evolving Scholarly Networks: Experiments, Modeling and Analysis*, KDD 2017, under review

Patents | J. He, Y. Huang, **L. Kong**, J. Shen, C. Liu, Y. Jia, H. Xiao, W. Tang, T. Hu, L. Fu, X. Wang, *An Method to Construct & Visualize the Heterogeneous Topic Network Based on Text Information*, Aug. 2016

Experience

2015–present | **Acemap: Academic Map System**.
Project Leader, Supervisor: *Prof. Xinbing Wang*
- Knowledgeable in theoretical networking or large-scale network analysis. Make publications in the field of Mining in Scholarly Big Data.
- Develop visualizing applications for scholarly data and present them on website.
- Build and maintain the server and the back-end for Academic Map System.

2014–2015 | **Designing Robots with Smart Recognition and Tracking Ability**.
Team Leader & Project Proposer, Supervisor: *Prof. Jingchuan Wang*
- Develop a novel recognizing algorithm for the robot, and implement hardware code as well, which is extremely efficient, even can achieve real-time tracking without GPU.
- Participate in RoboMasters Competition and win the first price of East China. Also win A+ project of University Student Innovation Program.

Selected Course Projects

2017 Spring | **EE327, Wireless Communication and Mobile Networks**, *Big Data Analysis on Cross-domain Scholarly Data*.
- Submit a paper called *Wandering Between Close and Apart: Are Scholarly Domains Crossable?* for ICDM 2017.
- 99 score, Runner Up Award for final project presentation.

2016 Autumn	**EE312, Software Engineering**, *Using ConvNets to Recognize Captcha Digits*.
	○ Develop an application to recognize real-world captcha as group leader.
	○ 99 score, highest score in class, for final software designing.
2016 Autumn	**CS337, Computer Graphic**, *Exploring Saliency Prediction Problem Based on Deep Learning Structure*.
	○ Visualize machine's visual understanding of real-world objects as group leader.
	○ 99 score, highest score in class, for final graphic user interface as well as the thesis – *Visualization for Machine Vision Understanding Based on Saliency Prediction Problem*.
2016 Autumn	**CS215, Compiler Principle**, *Java Implementation of C Compiler*.
	○ Generate Assembly Code on MIPS architecture for C programs.
	○ 96 score for implementing several compiler optimization techniques.
2016 Spring	**CS334, Computer Organization Lab**, *Writing a Simple CPU on MIPS Architecture in Verilog*.
	○ Generate Verilog Code on MIPS architecture to write a simple pipelining CPU.
	○ 98 score, highest score, for final design. And finish 8-week project in 2 weeks.
2016 Spring	**CS356, Operating System**, *Develop Linux Kernel Applications*.
	○ Develop Linux Kernel applications for the Operating System class.
	○ 99 score, highest score, for the final application.

Teaching Experience

2017 Spring	**Teaching Assistant**, Mathematical Foundations of Computer Science. CS499.
	○ Help students to finish homeworks about mathematical theories of computer science.
2016 Spring	**Teaching Assistant**, Computer Organization Lab. CS334.
	○ Give lectures to students.
	○ Assist in students' project designing and help them to write a simple CPU in Verilog.

Computer skills

1. Proficient in Python, Verilog
2. Well-acquainted with PHP, C/C++, JAVA, Android and Linux development
3. Knowledgeable in web programming

Honors and Awards

2017	Junzheng Scholarship (Top 30 undergraduate scholars in SJTU)
2016–2017	Scholarship of Outstanding Undergraduates (Top 2 students in school of Electronic Information and Electrical Engineering)
2014–2015	National Scholarship (Top 3 students in department of Computer Science)
2015 & 2016	Zhiyuan Honor Scholarship (Top 5%, Twice)
2014–2015	Merit Student of Shanghai Jiao Tong University
Jun. 2015	First Prize in RoboMasters Competition (East China)

More About Me

I am a table tennis master-level athlete in Shanghai Jiao Tong University. In Nov. 2014, I represented our school and won first runner-up of national college students' table tennis competition in our schools history. And in Oct. 2016, I helped our school to win her first championship in Shanghai.