Peidong Liu

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·Education·

To be enrolled	**Tsinghua University, Department of Computer Science and Technology, Master**
09/2015~present	**Sun Yat-sen University (SYSU), School of Data and Computer Science, Bachelor**
	Major: Software Engineering; **Overall GPA**: 3.9/4.0; **Ranking**: 2/119 (Top 2%)
01/2018~05/2018	**National University of Singapore(NUS), School of Computing, Exchange Student**

· Publications ·

➢ C. Li, Y. Lu, J. Wu, Y. Zhang, Z. Xia, T. Wang, D. Yu, X. Chen, **P. Liu**, and J. Guo. LDA Meets Word2Vec: A Novel Model for Academic Abstract Clustering. In The 2018 Web Conference Companion (WWW 2018) [pdf]

➢ **P. Liu**. Deep Flow Collaborative Network for Visual Tracking (Undergraduate Thesis)

·Awards·

12/2018	Exchange Student Scholarship of Sun Yat-Sen University	
10/2017	Bronze Award in Intel Cup-Parallel Application Challenge, China	**Team Member**
01/2017	Honorable Mention in Interdisciplinary Contest in Modeling	**Team Leader**
2016-2017	First Class Scholarship of Sun Yat-Sen University	

· Research and Teaching Experiences·

11/2018~Present	**Fundamental Technique Research Group, SenseTime Research**	**Research Intern**

Mentor: **LiTong Feng** (Ph.D., Senior Researcher, SenseTime)

- Solely responsible for building the entire pipeline for converting pytorch models to caffe models, including models for classification (Resnet, Inception Resnet series) and Object Detection (SSD, Faster Rcnn), etc.

06/2018~08/2018	**Institute of Information System and Engineering, School of Software, THU**	**Research Assistant**

Mentor: **Chunping Li** (Associate Professor, School of Software, THU)

- Implemented the code of several common topic models in NLP area like LDA, GSDMM
- Analyzed Weibo data through topic models above and performed experiments

03/2018~05/2018	**NUS-Tsinghua Center for Extreme Search(NExT++), NUS**	**Research Assistant**

Mentor: **ZhaoYan Ming** (Ph.D., Team Head, NExT++)

- Designed an algorithm for food classification with complex names using NLP

10/2017~02/2018	**Smart Mobile Computing Lab, SYSU**	**Research Assistant**

Mentor: **Xu Chen** (Professor, School of Data and Computer Science, SYSU)

- Engaged in modeling the prediction of the information growth, especially in WeChat Moment
- Performed a number of experiments, such as analyzing raw data more than 30GB on WeChat Moment through data mining methods as well as graphing illustrations like Information Diffusion~Time graph

07/2017~10/2017	**NLP Group, Guangdong Province Key Lab of Computational Science, SYSU**	**Research Assistant**

Mentor: **Yao Lu** (Professor, School of Data and Computer Science, SYSU)

- Participated in text mining of medical scientific literature, including preprocessing, word vector representation with word2vec, vector dimensionality reduction with PCA model, keywords obtained via TF-IDF model, topic number analysis via AP model and article topics obtained via LDA model
- Realized parallelization with Spark using Scala

· Extracurricular Experiences·

03/2016~09/2016	**Organizing Committee, AIESEC in SYSU, Guangzhou**	**Member**

·Computer Skills·

Programming Languages: C; C++; Python; Java; Scala; R; Html; Javascript; Nodejs; Angularjs

Others: SQL; MongoDB; Spark; Matlab; Pytorch; Caffe; Tensorrt; Docker; Onnx