Peidong Liu

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·Education·

09/2015~present	**Sun Yat-sen University (SYSU), School of Data and Computer Science, Junior Student**
	Major: Software Engineering; **Overall GPA**: 3.9/4.0; **Ranking**: 3/119 (Top 3%)
01/2018~05/2018	**National University of Singapore(NUS), School of Computing, Exchange Student**

· Publications ·

1. 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]

·Awards·

10/2017	Bronze Award in Intel Cup-Parallel Application Challenge (PAC), China (Top 6%)
10/2017	First Class Scholarship of Sun Yat-Sen University (Top 5%)
04/2017	Third Prize in Accenture Cup-Software Innovation and Development Competition (Top 6%)
01/2017	Honorable Mention in Interdisciplinary Contest in Modeling
10/2016	First Class Scholarship of Sun Yat-Sen University (Top 5%)

·Research and Teaching Experiences·

10/2017~present	**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

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

Mentor: **Chua Tat-Seng** (KITHCT Chair Professor, Founding Dean of the School of Computing, NUS)

- Designed an algorithm for food classification with complex names using NLP
- Crawled images from google which were used for food image recognition

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
- Drew lifecycle diagram of literature and predicted lifecycle

03/2017~06/2017	**Research Group of School of Government, SYSU**	**Team Leader**

Mentor: **Zijie Shao** (Associate Researcher, School of Government, SYSU)

- Designed web crawler program with Python for data collection of Weibo users' reposts and comments
- Analyzed Weibo information spread modes through text analysis and data mining
- Built server with Tomcat to store videos for online surveys

03/2017~07/2017	**Programming in High Level Language (C++), SYSU**	**Teaching Assistant**

- Gave a short lecture in the lab class, helped students with C++ problems and corrected homework

·Competition and Extracurricular Experiences·

10/2017	**Bronze Award in Intel Cup-Parallel Application Challenge (PAC), China**	**Team Member**
01/2017	**Interdisciplinary Contest in Modeling**	**Team Leader**
03/2016~09/2016	**Organizing Committee, AIESEC in SYSU, Guangzhou**	**Member**

·Computer Skills·

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

Others: SQL; MongoDB; MapReduce (Spark); Matlab; Tensorflow