

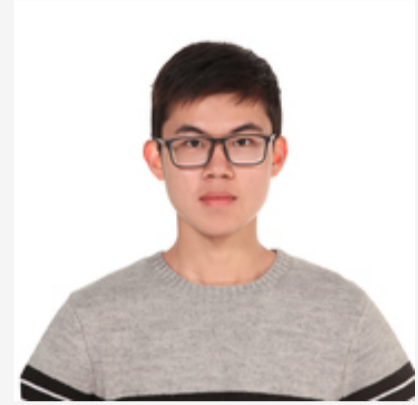
# JINNING LI

UNDERGRADUATE IN COMPUTER SCIENCE

[Download PDF](#)  
[lijinning@sjtu.edu.cn](mailto:lijinning@sjtu.edu.cn)  
+86 176-2178-2336  
[Github: jinningli](#)

## Personal Information

I'm a junior undergraduate student major in Computer Science at [ACM Honored Class, Zhiyuan College, Shanghai Jiao Tong University](#).



## Technical

C/C++

Python

Java

HTML/Javascript

Tensorflow

Pytorch

## Research Interest

Machine Learning

Data Mining

Natural Language Processing

Computer Vision

## Research Experience

ANL Lab at SEIEE SJTU

Summer 2017 ~ Present

**Data Mining, Social Network, Time Series Analysis, Neural Network**

Advisor: [Prof. Xiaofeng Gao](#)

Cross-Platform Event Popularity Analysis

[\[Website\]](#) [\[Paper\]](#)

Sentiment-Aware Topic Popularity Prediction on Short Text based Social Media

Propose a novel framework, Senti2Pop, to better predict topic popularity utilizing sentiment factors. Paper submitted to AAAI 2019.

Research Intern in Cornell University

Summer 2018 ~ Fall 2018

**Counterfactual Machine Learning**

Advisor: [Prof. Thorsten Joachims](#)

Ad Placement based on Criteo dataset

Using logged bandit feedback to learn a Ad placement policy. [Criteo Ad Placement Challenge](#)

A Hybrid Framework of Counterfactual Risk Minimization and Supervised Learning on Logged Bandit Feedback

[\[Presentation\]](#) [\[Writeup\]](#) [\[Weekly Report\]](#)

Research Intern in Purdue University

Fall 2018 ~ Present

**Machine Learning Applications**

Advisor: [Prof. Yexiang Xue](#)

Scribble-to-Painting Transformation with Multi-task Generative Adversarial Networks

Inspired by human cognitive process, we propose a multi-task generative adversarial network to address the scribble-to-painting transformation task. Paper submitted to AAAI 2019.

## Publications

Scribble-to-Painting Transformation with Multi-task Generative

## Adversarial Networks (Under Reviewing)

Jinning Li, Yexiang Xue. Submission to AAAI, 2019.

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## Senti2Pop: Sentiment-Aware Topic Popularity Prediction on Short Text based Social Media (Under Reviewing)

Jinning Li, Qiang Zhang, Jiayi Xu, Xiaofeng Gao, Guihai Chen. Emo2Pop: Topic Popularity Prediction with Emotion Intensity Time Series. Submission to AAAI, 2019.

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## DANCINGLINES: An Analytical Scheme to Depict Cross-Platform Event Popularity

[\[Website\]](#)[\[Paper\]](#)Tianxiang Gao, Weiming Bao, Jinning Li, Xiaofeng Gao, Boyuan Kong, Yan Tang, Guihai Chen, Xuan Li. DancingLines: An Analytical Scheme to Depict Cross-Platform Event Popularity. International Conference on Database and Expert Systems Applications (DEXA), 2018.

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## LINE ARTIST: A Multi-style Sketch to Painting Synthesis Scheme

[\[Website\]](#)[\[Arxiv\]](#)Jinning Li and Siqi Liu, Mengyao Cao. LINE ARTIST: A Multi-style Sketch to Painting Synthesis Scheme.

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### Teaching Experience

C++ Programming Fall 2016

**Teaching Fellow** at Shanghai Jiao Tong University

[https://acm.sjtu.edu.cn/wiki/Programming\\_2016](https://acm.sjtu.edu.cn/wiki/Programming_2016)

\* Design homework and test to help students master the basic idea of C++ programming.

\* Give a lecture on dynamic programming [\[slide\]](#).

\* Give a lecture to help students do reviewing [\[slide\]](#).

Operating System Spring 2018 ~ Present

**Teaching Fellow** at Shanghai Jiao Tong University

\* Design a project to help students learn about Ptrace and the principle of GDB. [\[Github\]](#)

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### Projects

Criteo Ad placement Challenge July. 2018

<https://github.com/jinningli/ad-placement-pytorch>

Using propensity weighted logistic regression with Pytorch.

Got Rank 2 (post-challenge) in [NIPS '17 Workshop: Criteo Ad Placement Challenge](#)

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Compiler 2017 May. 2017

<https://github.com/jinningli/Compiler-2017>

A compiler written in Java for the compiler course. The source language is a mixture of C and Java. The target is x86 assembly.

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Audio Tagging Jan. 2018

<https://github.com/jinningli/Audio-Tagging>

[\[Report\]](#) Project of MS318, Deep Learning. LSTM model and gated CNN model are used to solve the audio utterance tagging task.

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Text Classification Mar. 2017

<https://github.com/jinningli/Text-Classification>

[\[Report\]](#) A course work in CS420: Text Classification using Linear Regularized Regression Method. Using Jieba word parsing and efficient feature selecting algorithm.

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**Ray Tracer** Jun. 2016  
<https://github.com/jinningli/Ray-Tracer>  
[\[Demo Output\]](#) A C++ program to operate Ray Tracing on a 3D model and output a 2D picture.

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**A simple CPU** Apr. 2017  
<https://github.com/jinningli/CPU>  
[\[Report\(CHS\)\]](#) A course work in Computer Architecture. It's a CPU with five assembly line in Verilog language. And It ran successfully in FPGA.

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**MIPS Simulator** Jul. 2016  
<https://github.com/jinningli/Mips-Simulator>  
A C++ program to simulate MIPS assembly code and give the result, with virtual CPU, Register, RAM and ROM.

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**Text Compressor** Aug. 2016  
<https://github.com/jinningli/Text-Compressor>  
A efficient C++ program to compress text by about 50%, using Huffman Tree and Word Reduce algorithm.

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**Item Recommendation** Apr. 2017  
<https://github.com/jinningli/Item-Recommendation>  
[\[Report\]](#) A course work in CS420: A Item Recommendation System using machine learning method. Factorization machines, MCMC sampling and ensemble algorithm are adopted.

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*Education Background* Shanghai Jiao Tong University - Shanghai, China Sep. 2015 ~ Present  
Major: Computer Science (ACM Honored Class)  
Minor: Finance  
GPA: 3.6/4.2  
Average Score: 85/100  
GPA Ranking: 15/25  
Comprehensive Ranking: 9/25

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*Awards* The Level A Academic Excellence Scholarship Summer 2017

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Zhiyuan College Honored Scholarship Summer 2017

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2017 Consortium for Mathematics and Its Applications Spring 2017  
[Meritorious Winner](#)  
[\[Paper\] Modeling the Process of Airport Security : Modification and Evaluation](#)

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The OutStanding Award of Student Union Spring 2017

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2016 Consortium for Mathematics and Its Applications Spring 2016  
[Honorable Mentions](#)  
[\[Paper\] Bath Model Based on Heat Transfer Model and Analytic Hierarchy Process](#)

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Dongrun-Yau Science Award Summer 2015  
First Prize(Regional Contest), Successfully Participation(World Final)

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The 7th Certificate Authority Cup of MCM Spring 2015  
Outstanding Winner

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