Yiru Chen

https://ireneruru.github.io/

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EDUCATION

Columbia University   *Sep 2018 - present*
Ph.D. Student in Computer Science

Peking University   *September 2014 - July 2018*
BS in Computer Science

· China National Scholarship (0.2% acceptance rate)   *2015, 2017*

Peking University   *September 2015 - July 2018*
BA in Economics (Double Major)

Carnegie Mellon University   *June 2017 - September 2017*
Visiting Student in CASOS, Institute for Software Research

PUBLICATIONS AND ACADEMIC ACHIEVEMENT

X. Wang, **Y. Chen**, J. Yang, L. Wu, Z. Wu, and X. Xie
Reinforcement Learning Framework for Explainable Recommendation [Intro]
IEEE International Conference on Data Mining (to appear)

X. Li, B. Cui, **Y. Chen**, W. Wu and C. Zhang
MLog: Towards Declarative In-Database Machine Learning [pdf]
VLDB Demonstration 2017

P. Kathiravelu, **Y. Chen**, A. Sharma, H. Galhardas and L. Veiga
On-Demand Service-Based Big Data Integration: Optimized for Research Collaboration
[pdf]
VLDB Workshop on Data Management and Analytics for Medicine and Healthcare 2017

D. Stark, B. Launet, K. Schawinski, C. Zhang, M. Koss, M. D. Turp, L. F. Sartori, H. Zhang, **Y. Chen**, and A. K. Weigel
PSFGAN: a generative adversarial network system for separating quasar point sources and host galaxy light
Monthly Notices of the Royal Astronomical Society

Sigmod Programming Contest 2017 Runner-Up
The task is to filter a stream of documents using a set of N-grams of interest and, for each document, return where in it one of the N-grams is found as fast as possible.[link][poster]

WORKING EXPERIENCE

Graduate Research Assistant   Sep 2018 - present
Advisor: Prof. Eugene Wu   ***Columbia University in the city of New York***

· My research focuses on database system and neural network explanation.

Research Internship — Social Computing Group   Oct 2017 - Apr 2018
Mentor: Dr. Xing Xie and Dr. Xiting Wang   ***Microsoft Research Asia, Beijing***

· Focused on Reinforcement Learning and Explainable Recommendation.
· Published an **ICDM** paper - A Reinforcement Learning Framework for Explainable Recommendation.

Research Internship   June 2017 - September 2017
Advisor: Prof. Kathleen M. Carley   ***Carnegie Mellon University***

· Focused on discovering the group opinion toward topics in Twitter data.
· Won the **Best Oral Presentation Award** in PKU Young Scientists Symposium on Informatics.

Google Summer of Code 2016   April 2016 - August 2016
Mentor: Dr. P. Kathiravelu   ***Google.Inc***

· Worked on an open source project: **MediCurator** - a near duplicate detection framework for heterogeneous medical data sources in constructing data warehouses. [document][code]
· Published a workshop paper @**VLDB 2017, Munich**

Undergraduate Research Assistant   Nov 2015- July 2018
Advisor: Prof. Bin Cui   ***Peking University***

· Worked on Declarative In-Database Machine Learning demoed at **VLDB Demonstration 2017, Munich**
· Conducted a systematic study on how to accelerate topic model algorithms.

SELECTED AWARDS

· National Scholarship 2015, 2017 (top 4/193)
· Founder Scholarship 2016 (top 10/193)
· HuaWei Scholarship 2017 (top 10/324)
· Peking University Pacemaker to Merit Student (top 3/47)
· Peking University Outstanding Scientific Research Award
· Sigmod Programming Contest 2017 Runner Up
· 4th in Annual ACM-ICPC Competition at Peking University
· 1st Prize Chinese Mathematical Olympiad in Provinces 2014, 2013 (Jiangsu Province, top 0.01%)
· Excellent Summer Practice Leader of Peking University

TECHNICAL STRENGTHS

Computer Languages	C&C++, Python, Java, SQL, HTML, Javascript, Tex, etc
Link	https://github.com/Ireneruru
Languages	English(Fluent)
	Chinese(Native Speaker)