

Ling-Chih Yao

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OBJECTIVE

- Work on real-world problems in data science and data analytics. Interested in making predictions and exploring data with deep learning skills. Develop solutions with skills in parallelization to the technical problems in data processing. Access to massive data on distributed systems and collaborate on scalability issues.

TECHNICAL SKILLS

- Python, PyTorch, Keras, MPI, Spark, Spark MLlib, Docker, Scikit learn, Linux Environment, Slurm system

EDUCATION

- Ph.D. in Information and Computer Science, GPA: 3.78
 - University of Hawaii at Manoa, Honolulu, HI, USA Aug. 2014 - PRESENT
- M.S. in Graduate Institute of Networking and Multimedia, Major GPA: 3.95
 - National Taiwan University, Taipei, Taiwan Sep.2010 - Jan. 2013
- B.S. in Computer Science and Information Engineering, Major GPA: 4.01
 - National Taiwan University, Taipei, Taiwan Sep.2006 - Jun. 2010

PUBLICATIONS

- L.-C. Yao and L. Lim. “**Parallelizing String Similarity Join Algorithms,**” *the 29th edition of the Australasian Database Conference, 2018*
- L.-C. Yao and K.-Y. Chen. “**Computing the Longest Common Subsequence of Multiple RLE Strings,**” *the 29th Workshop on Combinatorial Mathematics and Computation Theory, 2012*

RESEARCH EXPERIENCE

- Research Project, University of Hawaii at Manoa Feb. 2016 - PRESENT
 - Advisor: Lipyeow Lim
 - Topic: Tree Classification
 - Topic: Parallel Set Similarity Join Algorithms
- Research Assistant, University of Hawaii at Manoa Aug. 2014 - Jun. 2015
 - Advisor: Nodari Sitchinava
 - Topic: Parallel k-merge Algorithm
- Research Assistant, National Taiwan University Sep. 2010 - June. 2012

- Advisor: Kun-Mao Chao
- Topic: Computing the Longest Common Subsequence of Multiple RLE Strings
- Undergraduate Research Assistant, National Taiwan University Sep. 2009 - June. 2010
 - Advisor: Chi-Sheng Shih
 - Topic: Flexible GUI Framework on Workflow-based Medical System
 - Advisor: Yung-Yu Chung
 - Topic: Efficient Image Processing

WORK EXPERIENCE

- Quality Assurance Engineering, Trend Micro, Taipei, Taiwan Dec. 2013 - Jul. 2014

TEACHING EXPERIENCE

- Teaching assistant, ICS 241 Discrete Math, University of Hawaii at Manoa Spring 2017, Fall 2017 & Spring 2018
- Teaching assistant, ICS 311 Algorithms, University of Hawaii at Manoa Spring 2017
- Teaching assistant, ICS 141 Discrete Math, University of Hawaii at Manoa Fall 2015 & Spring 2016
- Teaching assistant, CSIE 1920 Introduction to Computer Science, National Taiwan University Spring 2011
- Teaching assistant, CSIE 1212 Data Structure and Algorithm, National Taiwan University Fall 2010

HONORS AND AWARDS

- NTU scholarship for exchange student in Hawaii Pacific University Fall 2012
- DAAD/NSC Scholarship for academic study and training in Germany Summer 2012
- Taiwan Legislature scholarship for exchange visit to Beijing University Jul. 2007 & Jan. 2009

HONORS AND AWARDS

- ICDE 2017 Reviewer Oct. 2016 - Nov. 2016
- Eat-West Center Student Affiliate Aug. 2016 - PRESENT
- Graduate Representative of Department of Computer Science, National Taiwan University Sep. 2009 - Jun. 2010

EXTRACURRICULAR ACTIVITIES

- Participating Competition of Youth Training Project of International Affairs Mar. 2010
- Participating Competition of Young Entrepreneurs of the Future Jul. 2009

LANGUAGE SKILLS

- English(fluent), Japanese(basic), German(basic), Local Taiwanese(native), Mandarin Chinese(native)