

EDUCATION	State University of New York at Stony Brook , New York, U.S.	2014 - 2019
	Ph.D, Computer Science. Advisor: Prof. Steven Skiena	
	Fudan University , Shanghai, China.	2010 - 2014
	B.Sc., Computer Science and Technology	
EXPERIENCE	Google Brain , Tokyo, Japan. <i>Research Software Engineer</i>	Summer 2019 - Now
	Research on generative models and more	
	Google Brain , California, U.S. <i>Software Engineering Intern</i>	Summer 2018
	Research on the latent space of generative models with Dr. Jesse Engel	
	Facebook , California, U.S. <i>Software Engineering Intern</i>	Summer 2017
	Research on natural language understanding with Dr. Haixun Wang	
	Google Brain , California, U.S. <i>Software Engineering Intern</i>	Summer - Fall 2016
	Research on representation learning with Dr. Stephan Gouws	
	Google , New York, United States <i>Software Engineering Intern</i>	Summer 2015
	User-generated activity profiling and analysis with Dr. Xiaomeng Ban	
	Microsoft Research Asia , Beijing, China. <i>Research Intern</i>	2013
	Learning representation from large knowledge base with Dr. Haixun Wang	
	Concept level semantic analysis with Dr. Zhongyuan Wang	
	Fudan University , Shanghai, China. <i>Research Assistant</i>	Fall 2012
	Large scale information extract from crawled web pages. Advised by Prof. Yanghua Xiao	
PUBLICATIONS / WORKING PAPERS	Simultaneous Multiple-Prompt Guided Generation Using Differentiable Optimal Transport Yingtao Tian, David Ha, Marco Cuturi	
	<i>In the Proceedings of the twelfth International Conference on Computational Creativity, ICCCC'22</i>	
	EvoJAX: Hardware-Accelerated Neuroevolution Yujin Tang, Yingtao Tian, David Ha	
	<i>In the Proceedings of the Genetic and Evolutionary Computation Conference (GECCO) 2022</i>	
	Optimal Transport Tools (OTT): A JAX Toolbox for all things Wasserstein Marco Cuturi, Laetitia Meng-Papaxanthos, Yingtao Tian, Charlotte Bunne, Geoff Davis, Olivier Teboul	
	<i>Working Paper</i>	
	Modern Evolution Strategies for Creativity: Fitting Concrete Images and Abstract Concepts Yingtao Tian, David Ha	
	<i>In the Proceedings of the The 11th International Conference on Artificial Intelligence in Music, Sound, Art and Design (EvoMUSART) 2022.</i>	
	<i>Machine Learning for Creativity and Design Workshop, NeurIPS 2021</i>	
	Ukiyo-e Analysis and Creativity with Attribute and Geometry Annotation Yingtao Tian, Tarin Clanuwat, Chikahiko Suzuki, Asanobu Kitamoto	
	<i>In the Proceedings of the Eleventh International Conference on Computational Creativity, ICCCC'21</i>	
	KaoKore: A Pre-modern Japanese Art Facial Expression Dataset Yingtao Tian, Chikahiko Suzuki, Tarin Clanuwat, Mikel Bober-Irizar, Alex Lamb, Asanobu Kitamoto	
	<i>In the Proceedings of the Eleventh International Conference on Computational Creativity, ICCCC'20</i>	

A Transfer-Learnable Natural Language Interface for Databases Wenlu Wang, *Yingtao Tian*, Haixun Wang, Wei-Shinn Ku

In the Proceedings of the IEEE International Conference on Data Engineering (ICDE) 2020

Learning to Represent Bilingual Dictionaries Muhao Chen*, *Yingtao Tian**, Haochen Chen, Kai-Wei Chang, Steven Skiena, Carlo Zaniolo (* Equal Contribution)

In the Proceedings of the IEEE International Conference on Data Engineering (ICDE) 2020

Enhanced Network Embeddings via Exploiting Edge Attributes Haochen Chen, Xiaofei Sun, *Yingtao Tian*, Muhao Chen, Bryan Perozzi and Steven Skiena

In Proceedings of the International Conference on Information and Knowledge Management (CIKM) 2018

Social Relation Inference via Label Propagation *Yingtao Tian*, Haochen Chen, Bryan Perozzi, Muhao Chen, Xiaofei Sun and Steven Skiena

In the proceeding of the 41st European Conference on Information Retrieval (ECIR 2019)

DeepAnnotator: Genome Annotation with Deep Learning, Mohammad Ruhul Amin, Alisa Yurovsky, *Yingtao Tian*, Steven Skiena

In Proceedings of the 9th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM BCB-2018)

Simple Neologism Based Domain Independent Models to Predict Year of Authorship Vivek Kulkarni, *Yingtao Tian*, Parth Dandiwal, Steven Skiena

In Proceedings of the 27th International Conference on Computational Linguistics (COLING 2018)

Co-training Embeddings of Knowledge Graphs and Entity Descriptions for Cross-lingual Entity Alignment Muhao Chen, *Yingtao Tian*, Kai-Wei Chang, Steven Skiena, Carlo Zaniolo

In Proceedings of the 27th International Joint Conference on Artificial Intelligence (IJCAI), IJCAI/AAAI Press 2018.

Syntax-Directed Variational Autoencoder for Structured Data Hanjun Dai*, *Yingtao Tian**, Bo Dai, Steven Skiena, Le Song (* Equal Contribution)

In Proceedings of the International Conference on Learning Representations (ICLR), 2018.

Best Paper Award, NIPS 2017 workshop for Machine Learning for Molecules and Materials.

Embedding-based Relation Prediction for Ontology Population Muhao Chen, *Yingtao Tian*, Xuelu Chen, Zijun Xue, Carlo Zaniolo

In Proceedings of the 17th SIAM International Conference on Data Mining (SDM), SIAM 2018.

Towards End-End Generation of High-Resolution Images with Generative Adversarial Networks [Online Demo] Yanghua Jin, Jiakai Zhang, Minjun Li, *Yingtao Tian*, Huachun Zhu
Accepted and presented in spotlight, NIPS 2017 workshop for Machine Learning for Creativity and Design.

Multilingual Knowledge Graph Embeddings for Cross-lingual Knowledge Alignment Muhao Chen, *Yingtao Tian*, Mohan Yang, Carlo Zaniolo.

In Proceedings of the 26th International Joint Conference on Artificial Intelligence (IJCAI), IJCAI/AAAI Press 2017.

PROFESSIONAL
SERVICES

Organizer, *NeurIPS 2022 Workshop on Machine Learning for Creativity and Design*

Meta-Reviewer, *AAAI*

Reviewer, *ICLR, NeurIPS, AAAI, IJCAI, LREC, COLING*

PATENTS

US20210398336A1 Method for generating image, image generator, and program

US10810493B1 Training and/or utilizing recurrent neural network model to determine subsequent source(s) for electronic resource interaction

WO2022066156A1 Node embedding via hash-based projection of transformed personalized pagerank

HONORS AND
AWARDS

27th place, 35th Annual World Final of the ACM-ICPC , 2011

Gold Medal, ACM-ICPC Asia Chengdu Regional Contest, 2011

Championship and Gold medal, ACM-ICPC Asia Amritapri Regional Contest, 2010