

**Zhenghang Cui 崔正行**  
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<b>Education</b>	<i>Ph.D. of Science</i> Sato Laboratory (Machine learning) (Labtory website: <a href="https://www.ml.is.s.u-tokyo.ac.jp">https://www.ml.is.s.u-tokyo.ac.jp</a> ) Department of Computer Science Graduate School of Information Science and Technology The University of Tokyo	Apr. 2019 ~ Present Tokyo, Japan
	<i>Master of Science</i> Sugiyama-Sato-Honda Laboratory (Machine learning) (Labtory website: <a href="http://www.ms.k.u-tokyo.ac.jp">http://www.ms.k.u-tokyo.ac.jp</a> ) Department of Computer Science Graduate School of Information Science and Technology The University of Tokyo	Apr. 2017 ~ Mar. 2019 Tokyo, Japan  GPA: 3.9/4.0
	<i>Bachelor of Science</i> Sugiyama-Sato-Honda Laboratory (Machine learning) Department of Information Science, Faculty of Science The University of Tokyo	Apr. 2013 ~ Mar. 2017 Tokyo, Japan GPA: 3.5/4.0
<b>Research Topics</b>	Machine Learning, Weakly Supervised Learning, Active Learning	
<b>Publications</b>	<i>Classification From Triplet Comparison Data</i> Neural Computation, vol.32, pp.659-681, 2020 Zhenghang Cui, Nontawat Charoenphakdee, Issei Sato, Masashi Sugiyama	
	<i>Bayesian Posterior Approximation via Greedy Particle Optimization</i> 31rd AAAI Conference on Artificial Intelligence, USA, Jan. 2019 Futoshi Futami, Zhenghang Cui, Issei Sato, Masashi Sugiyama	
	<i>Stochastic Divergence Minimization for Biterm Topic Models</i> IEICE Transactions on Information and Systems, vol.E101-D, no.3, pp.668-677, 2018 Zhenghang Cui, Issei Sato, Masashi Sugiyama	
<b>Preprints</b>	<i>ATRO: Adversarial Training with a Rejection Option</i> Masahiro Kato, Zhenghang Cui, Yoshihiro Fukuhara	
	<i>Classification with Rejection Based on Cost-sensitive Classification</i> Nontawat Charoenphakdee, Zhenghang Cui, Yivan Zhang, Masashi Sugiyama	
	<i>Active Classification with Uncertainty Comparison Queries</i> Zhenghang Cui, Issei Sato	
<b>Presentations</b>	<i>Active Learning Using Discrepancy</i> ICML 2020 Workshop on Real World Experiment Design and Active Learning, Virtual, Jul. 2020	
	<i>Classification From Triplet Comparison Data</i>	

22th Information-Based Induction Sciences Workshop, Japan, Nov. 2019

*Stochastic Divergence Minimization for Biterm Topic Models*

First International Research Center for Neurointelligence Retreat, Japan, Mar. 2018

*Stochastic Divergence Minimization for Biterm Topic Models*

20th Information-Based Induction Sciences Workshop, Japan, Nov. 2017

*Stochastic Divergence Minimization for Biterm Topic Models*

First International Workshop on Symbolic-Neural Learning, Japan, Jul. 2017

*Stochastic Divergence Minimization for Biterm Topic Models*

29th Information-Based Induction Sciences and Machine Learning Meeting, Japan, Jun. 2017

## Working Experience

*AI Specialist and Research Intern*

Nablas, Inc.

Sep. 2019 ~ Present

Tokyo, Japan

Working as a teaching assistant at lectures on AI and deep learning for companies.

*Research Intern and Research Part-timer*

Preferred Networks, Inc.

Aug. 2017 ~ Nov. 2017

Tokyo, Japan

Researching on generative models and discrepancies.

*Teaching Assistant*

Department of Information Science, Faculty of Science, University of Tokyo Japan

Assisting lectures and experiments on PowerPC assembly language.

*Research Part-timer*

RIKEN Center for Advanced Intelligence Project

Jun. 2017 ~ Present

Tokyo, Japan

Researching on Bayesian methods and weakly-supervised learning.

*Engineer Part-timer*

Kyushin Cram School

Jun. 2017 ~ Sep. 2019

Tokyo, Japan

Writing codes on Excel Macros and Google Docs API.

*Cram School Teacher*

Seedom Cram School

Apr. 2015 ~ Sep. 2016

Tokyo, Japan

Teaching on (under)graduate school entrance examinations.

*System Tutor*

University of Tokyo

Apr. 2014 ~ Sep. 2019

Tokyo, Japan

Answering consults about ECCS (Educational Campus-wide Computing System).

Attending the managing team at the last year and also managing servers.

*Full Stack Engineer & Data Analytics*

3idea, Inc.

Mar. 2014 ~ Dec. 2016

Tokyo, Japan

Working on both server and front end programs, reviewing codes submitted by other employees, and composing reports on data analysis results.

## Awards & Grants

*Doctoral Student Research Support System*

A financial support aiming to encourage outstanding doctoral students.

Sep. 2019 ~ Feb. 2020

*Doctoral Student Special Incentives Program (IST-RA)*

Apr. 2019 ~ Mar. 2021

A financial support aiming to encourage outstanding doctoral students.

*AIP Challenge Program 2018* Aug. 2018 ~ Mar. 2019  
A research funding of 10K USD for young researchers provided by Japan Science and Technology Agency (JST).

*AIP Challenge Program 2020* Jun. 2020 ~ Mar. 2021  
Same as above.

**Activities** *Conference Review:* AAAI 2019, ICML 2020, ACML 2020, ICLR 2021  
*Journal Review:* Machine Learning

**OSS Contribution** *Optuna:* A hyperparameter optimization framework.  
*Engrao:* A LaTeX to HTML converter used by <https://www.arxiv-vanity.com>.

**Others** *PyCon JP 2020 Sprint*  
*The University of Tokyo AI for Good Contest 2020* (Second Place)  
*Cookpad Online Spring Internship 2020*

**Languages** Chinese: Native proficiency  
English: Full professional proficiency; TOEFL iBT 108/120, 106/120  
Japanese: Full professional proficiency; JLPT N1  
Cantonese, Korean, German: Elementary proficiency