

Qing YU

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EDUCATION

Ph.D. (Expected March 2023)

The University of Tokyo, Japan.

Information and Communication Engineering, Graduate School of Information Science and Technology. April 2020 – Present.

Master of Interdisciplinary Information Studies

The University of Tokyo, Japan.

Emerging design and informatics course, Graduate School of Interdisciplinary Information Studies. April 2018 – March 2020.

Bachelor of Engineering

The University of Tokyo, Japan.

Natural Sciences, College of Arts and Sciences. April 2014 – March 2016.

Information and Communication Engineering, Faculty of Engineering. April 2016 – March 2018.

PUBLICATIONS

International Conferences

Qing Yu, Daiki Ikami, Go Irie and Kiyoharu Aizawa. Self-Labeling Framework for Novel Category Discovery over Domains. In *AAAI Conference on Artificial Intelligence (AAAI)*, 2022.

Jiafeng Mao, **Qing Yu**, Yoko Yamakata and Kiyoharu Aizawa. Noisy Annotation Refinement for Object Detection. In *British Machine Vision Conference (BMVC)*, 2021.

Qing Yu, Atsushi Hashimoto and Yoshitaka Ushiku. Divergence Optimization for Noisy Universal Domain Adaptation. In *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2021.

Qing Yu, Daiki Ikami, Go Irie and Kiyoharu Aizawa. Multi-Task Curriculum Framework for Open-Set Semi-Supervised Learning. In *European Conference on Computer Vision (ECCV)*, 2020.

Qing Yu and Kiyoharu Aizawa. Unknown Class Label Cleaning for Learning with Open-Set Noisy Labels. In *IEEE International Conference on Image Processing (ICIP)*, 2020.

Jiafeng Mao, **Qing Yu** and Kiyoharu Aizawa. Training Object Detectors with Noisy Localization Annotation. In *IEEE International Conference on Image Processing (ICIP)*, 2020.

Takumi Kawashima, **Qing Yu**, Akari Asai, Daiki Ikami and Kiyoharu Aizawa. The Aleatoric Uncertainty Estimation Using a Separate Formulation with Virtual Residuals. In *International Conference on Pattern Recognition (ICPR)*, 2020.

Qing Yu and Kiyoharu Aizawa. Unsupervised Out-of-Distribution Detection by Maximum Classifier Discrepancy. In *IEEE International Conference on Computer Vision (ICCV)*, 2019.

Qing Yu, Masashi Anzawa, Sosuke Amano, Makoto Ogawa and Kiyoharu Aizawa. Food Image Recognition by Personalized Classifier. In *IEEE International Conference on Image Processing (ICIP)*, 2018.

Journal

Qing Yu, Masashi Anzawa, Sosuke Amano and Kiyoharu Aizawa. Personalized Food Image Classifier Considering Time-Dependent and Item-Dependent Food Distribution. In *IEICE Trans. Information and Systems*, 2019.

Domestic Conferences

Seven papers

INVITED TALKS

Qing Yu. How to participate in an image recognition competition. In *Symposium on Sensing via Image Information (SSII)*, 2020.

Qing Yu. The approach to win an image recognition competition. In *Forum on Information Technology (FIT)*, 2019.

HONORS AND AWARDS

Academic Awards and Fellowships

Dean's List — March 2020

Best master thesis in the department, Graduate School of Interdisciplinary Information Studies, The University of Tokyo.

MIRU Best Student Paper Award — August 2019

Best student paper award in Meeting on Image Recognition and Understanding (MIRU) 2019.

Research Fellowships for Young Scientists

A research fellowship program for Ph.D. students provided by Japan Society for the Promotion of Science.

200,000 JPY per month

April 2020 - March 2023

The University of Tokyo Fellowship

A Special scholarship program for international students provided by The University of Tokyo.

200,000 JPY per month

April 2018 - March 2020

Fuji Seal Packaging Education and Scholarship Foundation Scholarship

A Scholarship provided by Fuji Seal International to highly motivated, disciplined and academically talented students.

100,000 JPY per month

April 2016 - March 2018

Others

Reviewer for International Journals and Conferences

AAAI 2022, CVPR 2022, ECCV 2022, IEEE TMM, CVIU.

Kaggle Competition Master (<https://www.kaggle.com/angelecarre>)

One solo gold medal and four silver medals.

SIGNATE Competition Grandmaster (<https://signate.jp/users/10776/history>)

A Japanese website offering data science competitions.

Three championships.

The Champion of Data Science Challenge by FUJIFILM AI Academy Brain(s) — July 2019

An OCR competition.

Prize: X Series FUJIFILM X100F

The Champion of The 1st Tellus Satellite Challenge — December 2018

A landslide detection competition.

Prize: 1,000,000 JPY

The Champion of AIST Satellite Image Analysis Contest — April 2018

A golf course detection competition.

Prize: 300,000 JPY

The Champion of 2018 The Japanese Society for Artificial Intelligence Data Analysis Competition (JSAI Cup 2018) — March 2018

A food ingredient image classification competition.

Prize: 500,000 JPY

RESEARCH AND PROFESSIONAL EXPERIENCE

Aizawa Lab, The University of Tokyo — April 2018-Present

Graduate Student

Working on out-of-distribution detection and open-set recognition.

CV Lab, LINE — December 2021-Present

Research Intern

Working on action recognition.

Perception group, OMRON SINIC X — July 2019-December 2019

Research Intern

Worked on Domain Adaptation in the Wild.

Learn.AI, The University of Tokyo — April 2018-March 2020

Teaching Assistant

An open course at UTokyo which offers the basics of CS and AI including deep learning.

Image Recognition Group, plus-zero Inc. — May 2016-Present

Programmer

Application development. Main job includes designing algorithms and coding.

Rinna Team, Microsoft Development — August 2018-September 2018

Software Engineer Intern

Worked on Rinna feature development.

Aizawa Yamasaki Lab, The University of Tokyo — April 2017-March 2018

Undergraduate Student

Worked on personalized classifier for food image recognition which incrementally learns the user's data and adapts to the user's eating habit.

Princeton University – The University of Tokyo Strategic Partnership Summer Undergraduate Student Exchange — August 2016

Researcher

A program totally supported and sponsored by The University of Tokyo and Princeton University. One-month exchange program in the Electrical Engineering Department.

SKILLS

Programming Languages: Python, C++.

Deep Learning Frameworks: PyTorch, Tensorflow, Chainer.

Chinese Proficiency: Native

Japanese Proficiency: Japanese-Language Proficiency Test N1.

English Proficiency: TOEFL iBT 106.