

Etsutaro Kamino

Nagoya University Graduate School of Informatics

Furo-cho, Chikusa-ku, Nagoya, 464-8601, Japan

Mobile Phone: +81-80-4300-6418

E-mail: etsu@nagoya-u.jp



RESEARCH INTEREST

The research field I am most interested in is the automatic tagging for multimedia content. I launched a project called "Hack the Hashtag" in 2018 and created an application that receives a user's image and directly proposes the best hashtags for the image. The following is a brief description of the app's algorithm: first, keywords are acquired from the input image using image recognition. Then, an SNS search is performed in real time using the obtained keywords. Finally, the optimal hashtags are determined and returned to the user. The current app uses image recognition technology to acquire keywords from images. Currently, I am researching ways to obtain more abstract keywords from images. Also, I am considering acquiring keywords from logo recognition and location information. There are still many issues, such as the most efficient way to search SNS platforms, and the process of determining the optimal hashtags.

Another thing I am currently working on is "visualizing the atmosphere." Recently, I developed an app that expresses the atmosphere of a specific place using word cloud by acquiring the data from Instagram in real time. Improve methods of data acquisition and application of natural language processing to the acquired hashtags are what I have been researching recently.

EDUCATION

April 2019 – current: Doctoral candidate, Graduate School of Informatics, Nagoya University

April 2017 – current: Graduate Program for Real-World Data Circulation Leaders

April 2017 – March 2019: Master degree, Graduate School of Informatics, Nagoya University

April 2013 – March 2017: Bachelor degree, School of Informatics and Sciences, Nagoya University

QUALIFICATIONS

- Master of Informatics (2019)
- Bachelor of Informatics and Sciences (2017)
- JDLA Deep Learning for GENERAL (2018)



EXPERIENCE

- Create an app, System development, Data analysis
- Programming: Python, C++
- Languages: Japanese (Native), English

GRANTS

1. Creative Research Project 2017 (Project leader), “Effective advertisement system using attention time”, (500,000yen from Nagoya University), June 2017 – March 2018, We measured the “attention time” to a video advertisement with a camera and created a system which effectively displays and switches the advertisement.
2. Creative Research Project 2018 (Project leader), “Hack the Hashtag”, (500,000yen from Nagoya University), June 2018 – March 2019, We are developing systems and proposing applications that propose optimal hashtags of image posting SNS just by uploading posted images. Based on this product, I started a business. (Hashup Co., Ltd., established date April 1, 2019)

AWARDS AND SCHOLARSHIP

1. Scholarship under the Government's Grants for Creating Research and Education Bases
April 2018 – current: Monthly stipend of 200,000 yen
April 2017 – March 2018: Monthly stipend of 85,000 yen
2. Leading Program Forum 2018, “Hack the Hashtag”, Outstanding Performance Award
<https://leading-forum-2018.jp/about.html>
3. AI Summer Camp 2018, Hanoi Vietnam, “Quality First”, Most Practical Proposal Award
<http://www.rwdc.is.nagoya-u.ac.jp/activities/eng/activity-report/2018/news-letter-vol111-released.php>

INTERNATIONAL CONFERENCES

1. Etsutaro Kamino, Shunsaku Nishiuchi, Eisuke Kita, Design of Cultivation Environment Scenario of *Oryza sativa* L. “Koshihikari”, 13th World Congress in Computational Mechanics, Marriott Marquis, New York City, July 22-27, 2018

DOMESTIC CONFERENCES

1. Etsutaro Kamino, Nozomu Kubo, Shunsaku Nishiuchi, Hidemi Kitano, Eisuke Kita, Prediction of rice cultivation and its application, The Japan Society of Mechanical Engineers 30th Computational Mechanics Conference (CMD 2017), Kindai University Higashi-Osaka Campus, September 16-18, 2017
2. Etsutaro Kamino, Hitoshi Sato, Eisuke Kita, Prediction of heading date of paddy rice using Bayesian estimation, The Japan Society for Computational Engineering and science, 23rd Conference on Computational Engineering and science, Wink Aichi, June 6-8, 2018
3. Etsutaro Kamino, Shunsaku Nishiuchi, Eisuke Kita, Study on the design of cultivation environment of paddy rice, The Japan Society of Mechanical Engineers The 28th Design and Systems Division Lecture (D&S 2018), Yomitan Village Cultural Center (Okinawa Prefecture), November 4-6, 2018
4. Yuichiro Maeda, Etsutaro Kamino, Taichi Goyodani, Shunsaku Nishiuchi, Eisuke Kita, Prediction of heading date of paddy rice by machine learning method, The Japan Society of Mechanical Engineers The 28th Design and Systems Division Lecture (D&S 2018), Yomitan Village Cultural Center (Okinawa Prefecture), November 4-6, 2018