

## Contact

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[myui.github.io/](https://myui.github.io/) (Personal)

## Top Skills

Python (Programming Language)  
Cloud Computing  
Databases

## Languages

English (Professional Working)  
Japanese (Native or Bilingual)

## Certifications

Unconscious Bias  
Hackerrank Problem Solving (Basic) Certificate

## Honors-Awards

Bossie Awards 2014: The best open source big data tools (for Hivemall)  
IPA Mitoh Super Creator Award  
Best Student Award

## Publications

A Database-Hadoop Hybrid Approach to Scalable Machine Learning  
Hivemall: Scalable Machine Learning Library for Apache Hive  
Nb-GCLOCK: A Non-blocking Buffer Management based on the Generalized CLOCK  
Hivemall: Hive scalable machine learning library

# Makoto Yui

Senior Principal Software Engineer at Treasure Data  
Tokyo, Tokyo, Japan

## Experience

### Treasure Data

2 years 5 months

#### Senior Principal Software Engineer

April 2023 - Present (7 months)

Tokyo, Japan

Leading ML team as a Tech Lead for the development of Treasure Automl  
<https://docs.treasuredata.com/display/public/PD/AutoML>

designed, implemented from scratch, lead the team, and productized it.

#### Principal Engineer

June 2021 - March 2023 (1 year 10 months)

Tokyo, Japan

Working with multi-regional teams, leading AutoML productization as a technical lead. Designed, build, and operate Auto-scaling container platform for Automl service and implemented various machine learning functions running on top of it.

Beside that, I also work on workflow management system (Digdag) and it's Container support.

### The Apache Software Foundation

#### Apache Hivemall PPMC member

September 2016 - September 2022 (6 years 1 month)

As the initial developer, lead the development of Apache Hivemall at Apache Incubator.

<http://hivemall.incubator.apache.org/>

Retired from ASF incubation on Sept 2022.

<https://github.com/hivemall/hivemall>

### Arm

#### Principal Engineer

July 2018 - June 2021 (3 years)

Tokyo, Japan

Continued the work at Arm Treasure Data, subsidiary of Arm.

(Treasure Data become an independent company, spin-off from Arm on June 2021)

**Treasure Data, Inc.**

Research Engineer

April 2015 - July 2018 (3 years 4 months)

Within 23 wards, Tokyo, Japan

(Acquired by Arm on July 2018)

Leading the development of a large scale machine learning service (ML-as-a-Service) in Treasure Data cloud service. My work has been productized as the heart of CDP predictive scoring and Content Affinity Engine.

As a machine learning specialist, I consulted 20~30 customer-facing machine learning projects from Fortune 500 companies to foreign startups (Indonesia, Taipei, Israel) in the last 2 years. Consulted industrial segments includes: Telecom, Insurance, Automobile, Ad-tech, EC, Media Agency, Internet-related Service, Real-estate, Gaming, and Online Publishers.

**AIST**

Senior Researcher

April 2010 - March 2015 (5 years)

Tsukuba, Japan

Working on distributed and parallel data processing and large-scale machine learning at the data science research group.

**University of Edinburgh**

Visiting Researcher

September 2011 - November 2011 (3 months)

Worked with Paolo Basala and Prof. Malcolm Atkinson at Data Intensive Research (DIR) group. Designed a distributed streaming data processing system on EDIM1 data-intensive machine (an energy-efficient PC cluster) for scientific workflows.

**CWI**

Visiting Postdoc

October 2009 - March 2010 (6 months)

Worked with Peter Boncz and Prof. Martin Kersten at INS1 database research group. Designed and implemented a parallel database system on the top of shared-nothing MonetDB servers.

Waseda University

Visiting Researcher

April 2009 - March 2010 (1 year)

Japan Society for the Promotion of Science

2 years

JSPS Research Fellow (PD)

April 2009 - March 2010 (1 year)

JSPS Research Fellow (DC2)

April 2008 - March 2009 (1 year)

NEC Infomatic Systems, Ltd

System Engineer

April 2004 - March 2006 (2 years)

Within 23 wards, Tokyo, Japan

Designed and implemented RM4GS (Reliable Messaging for Grid Services) as a reference implementation of OASIS WSRM ([https://www.oasis-open.org/committees/tc\\_home.php?wg\\_abbrev=wsm](https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=wsm)) which provides reliable messaging facilities for Web Services.

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## Education

Nara Institute of Science and Technology

Ph.D, Computer Science · (2006 - 2009)

Nara Institute of Science and Technology

M.E. Computer Science, Computer Science · (2005 - 2006)

Shibaura Institute of Technology, Japan

Bachelor's Degree, Computer Science · (1999 - 2003)