

Ichiro Hashimoto

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Education

University of Toronto

PH.D. IN STATISTICAL SCIENCES (IN PROGRESS)

- Research Report: Analysis on Benign Overfitting without Linearity
- Comprehensive Exam: Exempted by achieving A+ for all the required courseworks

Toronto, ON

2022 - Current

Ross School of Business, University of Michigan

M.B.A (MASTER OF BUSINESS ADMINISTRATION)

Ann Arbor, MI

2014 - 2016

The University of Tokyo

MASTER OF MATHEMATICAL SCIENCES, BACHELOR OF MATHEMATICS

- Master's Thesis: The method of $\bar{\partial}$ -equation on High Dimensional Complex Geometry (Advisor: Professor Junjiro NOGUCHI)
Conducted thesis research on generalization of approximation theorem of holomorphic functions on \mathbb{C}^n to approximation on pseudo-convex domains by applying Lars V. Hörmander's L^2 - $\bar{\partial}$ method.

Tokyo, Japan

2006 - 2008, 2002 - 2006

Teaching Experience

Department of Statistical Sciences, University of Toronto

COURSE INSTRUCTOR

- Probability, Doss Summer Prep Bootcamp (July 2023 - July 2023)

Toronto, ON

Department of Statistical Sciences, University of Toronto

TEACHING ASSISTANT

- STA2104 Statistical Methods for Machine Learning II (Jan 2024 - Apr 2024)
- STA347 Probability I (Sept 2023 - Dec 2023)
- STA220 The Practice of Statistics I (Jan 2023 - April 2023)
- STA347 Probability I (Sept 2022 - Dec 2022)

Toronto, ON

Graduate School of Mathematical Sciences, The University of Tokyo

TEACHING ASSISTANT

- Linear Algebra I (Apr 2006 - Sept 2006)

Tokyo, Japan

Professional Experience

LeaP Science Foundation

DIRECTOR

Cabinet Office, Government of Japan

DEPUTY DIRECTOR OF UNIVERSITY REFORMATION AND FUND

- Launched \$1,000B National University Endowment Fund aimed at boosting research activities of world-class research universities in Japan.

Tokyo, Japan

Sept. 2021 - Present

Tokyo, Japan

Oct. 2020 - June. 2021

Consulate-General of Japan in San Francisco

CONSUL (SCIENCE & TECHNOLOGY ATTACHÉ)

- Created more than 30 strategic reports on science & technology trends to Japanese government, one of which led to development of National Quantum Research Hub on Quantum Machine Learning.
- Led academic collaborations between Silicon Valley and Japan in various areas with emphasis on quantum science.
- Led arrangement of high level meetings between Japanese Science & Technology Minister and Silicon Valley corporate/academic executives, which led to launch of Japan's National Moonshot Program.
- Advised high-level officials of Japanese Ministry of Education on innovative educational method/model developed in Silicon Valley.

San Francisco, CA

Oct. 2017 - Sept. 2020

Ministry of Education, Culture, Sports, Science and Technology (MEXT)

DEPUTY DIRECTOR, QUANTUM SCIENCE AND TECHNOLOGY OFFICE

- Directed 10 people team and led development of Japan's first National Quantum Strategy and launched \$200M National Quantum Initiative which drives innovation in quantum information, sensor, laser, and other associated technologies.
- Launched \$300M national construction project of next generation 3 GeV Synchrotron Radiation Research Facility.

Tokyo, Japan

June. 2016 - Sept. 2017

Ministry of Education, Culture, Sports, Science and Technology (MEXT)

Tokyo, Japan

MULTIPLE POSITIONS @ OFFICE FOR ADMINISTRATIVE REFORM, ENVIRONMENT AND ENERGY DIVISION, ETC.

April. 2008 - . June 2014

- Led National Research lab reformation of introducing National Research and Development Agency framework, which allowed full flexibility to perform cutting-edge R&D activities.
- Launched collaborative project with Ministry of Economy, Trade, and Industry of \$30M annual budget which aims to seamlessly connect basic research and commercialization of emerging energy technologies.

Honors & Awards

Japanese Government Long-Term Overseas Fellowship

FULL TUITION + \$50,000 ANNUAL STIPEND FOR TWO-YEAR STUDY AT UNIVERSITY OF MICHIGAN

2014-2016

Yoyogi Seminar Scholarship

FULL TUITION: ADVANCED STEM PROGRAM, YOYOGI SEMINAR

1999-2002

Ichikawa Academy Scholarship

FULL TUITION: ADVANCED MATHEMATICS PROGRAM, ICHIKAWA ACADEMY

2000-2002

Writing

Evolution of Silicon Valley EdTech

Nikkei xTREND

CONTRIBUTING WRITER

July 2019

- Contributed article about evolution of Silicon Valley EdTech and its implication to the future of Japan's education system to Nikkei xTREND, one of major Japanese media focused on technology trends.

National Strategic Plan: Quantum Science and Technology

Council of Quantum Science

MAIN EDITOR

August 2017

- Created national strategy for promotion of quantum science and technology, identifying Quantum Simulation, Quantum Computing, Quantum Sensing and other associate technologies as areas of strategic focus.

Construction of Next Generation 3 GeV Synchrotron Radiation Research Facility

Council of Quantum Beam Science

MAIN EDITOR

February 2017

- Created national construction plan of state-of-the-art synchrotron radiation research facility of 3-GeV class in collaboration with experts from various fields, such as material sciences, catalyst chemistry, condensed matter physics, and structural biology.

A Strategic Plan for the Center for Discovery of New Medicine

University of Michigan

MBA CONSULTANT

April 2015

- Proposed strategies to Center for Discovery of New Medicine (CDNM), University of Michigan. Based on our recommendation, University of Michigan reorganized CDNM as Michigan Drug Discovery and succeeded in integrating fragmented resources across campus.

Invited Talks

Quantum.Tech Conference

Boston, MA

JAPAN'S NATIONAL QUANTUM INITIATIVE

Sept. 2019

- Presented Japanese Government's National Initiative on Quantum Science and Technologies during international government panel.

Q2B 2019, Practical Quantum Computing

San Jose, CA

JAPAN'S NATIONAL QUANTUM INITIATIVE

Dec. 2019

- Presented Japanese Government's National Initiative on Quantum Science and Technologies during international government panel.
https://www.youtube.com/watch?v=AZs81V_sDMg

Japanese Chamber of Commerce, Northern California

San Francisco, CA

SELECTED TOPICS ON U.S. EDUCATION SYSTEM

Aug. 2019

- Presented various issues in U.S. Education system from viewpoint of race and discrimination.

Japanese Technology Professional Association

Palo Alto, CA

HAVE MOOCs REALLY DISRUPTED HIGHER EDUCATION?

March. 2019

- Presented true impact of MOOCs on higher education and what their recent pivots actually mean.

Extracurricular activities

Ross Alumni Club of Japan

Tokyo, Japan

PROGRAM COORDINATOR & ALUMNI INTERVIEWER

2016 - Present

- Coordinated admission info sessions, conducted multiple admission interviews, and facilitated team exercises in Tokyo, Japan

Skills

Programming R, Python, SQL, VBA, LaTeX

Languages English (Professional Proficiency), Japanese (Native)