Ichiro **Hashimoto**

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Education

University of Toronto — *Toronto, ON*

PH.D. IN STATISTICAL SCIENCES (IN PROGRESS) — *2022 - Current*

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

Ross School of Business, University of Michigan — *Ann Arbor, MI*

M.B.A (MASTER OF BUSINESS ADMINISTRATION) — *2014 - 2016*

The University of Tokyo — *Tokyo, Japan*

MASTER OF MATHEMATICAL SCIENCES, BACHELOR OF MATHEMATICS — *2006 - 2008, 2002 - 2006*

- 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. Hömander's L^2-$\bar{\partial}$ method.

Publication

- Directional Convergence, Benign Overfitting of Gradient Descent in leaky ReLU two-layer Neural Networks [Submitted]
- Universality of Benign Overfitting in Binary Linear Classification (with Stanislav Volgushev and Piotr Zwiernik)[Submitted]

Teaching Experience

Department of Statistical Sciences, University of Toronto — *Toronto, ON*

COURSE INSTRUCTOR

- Operational Math, Doss Summer Prep Bootcamp (July 2025 - July 2025)
- Probability, Doss Summer Prep Bootcamp (July 2025 - July 2025)
- Operational Math, Doss Summer Prep Bootcamp (July 2024 - July 2024)
- Probability, Doss Summer Prep Bootcamp (July 2024 - July 2024)
- Probability, Doss Summer Prep Bootcamp (July 2023 - July 2023)

Department of Statistical Sciences, University of Toronto — *Toronto, ON*

TEACHING ASSISTANT

- Project Mentor, Statistical Sciences Research Program (June 2025 - June 2025)
- STA347 Probability I (Jan 2025 -Apr 2025)
- STA2111 Graduate Probability I (Sept 2024 -Dec 2024)
- STA237 Probability, Statistics and Data Analysis I (Sept 2024 -Dec 2024)
- 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)

Graduate School of Mathematical Sciences, The University of Tokyo — *Tokyo, Japan*

TEACHING ASSISTANT

- Linear Algebra I (Apr 2006 - Sept 2006)

mentorship

UNDERGRADUATE STUDENTS

- Yuta Kondo, University of Toronto (2025-)

Professional Experience

LeaP Science Foundation — *Tokyo, Japan*

DIRECTOR — *Sept. 2021 - Present*

Cabinet Office, Government of Japan — *Tokyo, Japan*

DEPUTY DIRECTOR OF UNIVERSITY REFORMATION AND FUND — *Oct. 2020 - June. 2021*

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

Consulate-General of Japan in San Francisco — *San Francisco, CA*

CONSUL (SCIENCE & TECHNOLOGY ATTACHÉ) — *Oct. 2017 - Sept. 2020*

- 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.

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

Deputy Director, Quantum Science and Technology Office *June. 2016 - Sept. 2017*

- 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.

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*

Professional 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 Languages R, Python, SQL, VBA, LaTeX
English (Professional Proficiency), Japanese (Native)