

# ANDREW GAMBARDELLA

Japan, Tokyo-to, Bunkyo-ku, Hongou 7-3-1, Engineering Building 2  
atgambardella@weblab.t.u-tokyo.ac.jp

## EDUCATION

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<b>University of Oxford</b> <b>Oxford, United Kingdom</b> Doctor of Philosophy in Engineering Science St. Catherine's College Supervisor: Professor Philip H. S. Torr	January 2017 - November 2021
<b>University of California, Berkeley</b> <b>Berkeley, California, United States of America</b> Major in Electrical Engineering and Computer Science Minors in Mathematics and Japanese	August 2010 - December 2013
<b>Central Bucks High School West</b> <b>Doylestown, Pennsylvania, United States of America</b>	August 2007 - May 2010

## PROFESSIONAL EXPERIENCE

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<b>University of Tokyo</b> <b>Bunkyo, Tokyo, Japan</b> Postdoctoral Researcher Supervisor: Professor Yutaka Matsuo	August 2023 -
<b>KAIST</b> <b>Yuseong, Daejeon, South Korea</b> Postdoctoral Researcher Supervisor: Professor Jinjoon Lee	March 2022 - March 2023
<b>Cogent Labs (formerly Reactive, Inc.)</b> <b>Shibuya, Tokyo, Japan</b> Research Engineer	July 2016 - December 2016
<b>SoftBank Robotics</b> <b>Minato, Tokyo, Japan</b> Research Engineer	April 2015 - May 2016
<b>UC Berkeley</b> <b>Berkeley, California, United States of America</b> Undergraduate Researcher Supervisor: Professor Satish Rao	August 2012 - March 2015

## PUBLICATIONS

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*gOd, mOther and sOldier: A Story of Oppression, Told Through the Lens of AI.* **Andrew Gambardella**, Meeyung Chung, Doyo Choi, Jinjoon Lee. To Appear in Leonardo, 2023.

*Deep Transfer Learning with Bayesian Inference.* **Andrew Gambardella**. DPhil Thesis, 2021

*Detecting and Quantifying Malicious Activity with Simulation-based Inference.* **Andrew Gambardella**, Bogdan State, Naeemullah Khan, Leo Tsourides, Philip H. S. Torr, Atılım Güneş Baydin. In International Conference on Machine Learning: Workshop on Socially Responsible Machine Learning, 2021.

*Hierarchical Semantic Sonification for the Visually Impaired.* **Andrew Gambardella**, Jinjoon Lee. In IJCAI: Workshop on Artificial Intelligence for Social Good, 2021.

*Simulation-Based Inference for Global Health Decisions.* Christian Schroeder de Witt, Bradley Gram-Hansen, Nantas Nardelli, **Andrew Gambardella**, Rob Zinkov, Puneet Dokania, N. Siddharth, Ana Belen Espinosa-Gonzalez, Ara Darzi, Philip Torr, Atılım Güneş Baydin. In International Conference on Machine Learning Workshop: ML for Global Health, 2020.

*Multitask Soft Option Learning.* Maximilian Igl, **Andrew Gambardella**, Nantas Nardelli, N. Siddharth, Wendelin Böhmer, Shimon Whiteson. In Uncertainty in Artificial Intelligence, 2020.

## PREPRINTS

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*Efficient Data Mosaicing with Simulation-based Inference.* **Andrew Gambardella**, Youngjun Choi, Doyo Choi, Jinjoon Lee. In submission, 2023.

*Transflow Learning: Few-shot Adaptation for Normalizing Flow Models.* **Andrew Gambardella**, Atılım Güneş Baydin, Philip H. S. Torr. In submission, 2019.

## PROFICIENCIES

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<b>Computer Languages</b>	Python, Lua, Java, C, Scheme, MATLAB
<b>Software &amp; Tools</b>	PyTorch, JAX, NumPy, Pyro, NumPyro
<b>Natural Languages</b>	English (Native), Japanese (Bilingual), Korean (Advanced)

## CERTIFICATIONS

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<b>Japanese Language Proficiency Test N1</b>	December 2014
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## REVIEWING

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<b>ICML</b>	2022
<b>NeurIPS Preregistration Workshop</b>	2020, 2021

## RESEARCH GRANTS

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<b>Korea Foundation</b>	March 2022 - October 2022
<b>Meta</b>	January 2020 - December 2020
<b>Microsoft</b>	January 2017 - December 2019

## TEACHING

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<b>KAIST CTP404, Creative Practice, Teaching Assistant</b>	Fall 2022
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