



# Tomoei Takahashi

Project researcher of the University of Tokyo

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🔗 <https://tomoei-takahashi.github.io/homepage/index.html>

## Skills

### Julia



### Python



### C



## Awards

**Student Presentation Award of the Physical Society of Japan**  
Physical Society of Japan  
March 2023

**28th International Symposium on Artificial Life and Robotics, Young Author Award**  
International Symposium on Artificial Life and Robotics  
January 2023  
6 out of 800 entries received awards

**Excellent Doctor Award**  
Graduate School of Nagoya University  
March 2023

## Languages

### Japanese



### English



## Summary

Theoretical physicist working on statistical mechanics for complex systems: protein design, evolution, diffusion model.

## Experience

**Institute for Physics of Intelligence, The University of Tokyo** April 2023 ~ Present  
Bunkyo-ku, Tokyo  
Project researcher  
PI: Yoshiyuki Kabashima

## Education

**Department of Complex Systems Science, Graduate School of Informatics, Nagoya University** April 2020 ~ March 2023  
Statistical mechanics, Bayesian learning, Biological physics  
Ph.D course student  
Supervisor: Kei Tokita

**Department of Complex Systems Science, Graduate School of Informatics, Nagoya University** April 2018 ~ March 2020  
Statistical mechanics, Bayesian learning, Biological physics  
Master course  
Supervisor: Kei Tokita

**Department of Physics, School of Advanced Science and Engineering, Waseda University** April 2013 ~ March 2018

**Waseda Honjo Senior High School** April 2010 ~ March 2013

## Part-time reseacher

**Research Assistant** June 2019 ~ March 2023  
Research Assistant of Kurusugawa Computer Inc. Nagoya

Engaged in deep learning-based object detection and dataset evaluation, including annotation analysis on dashcam footage.