

UCHIDA, Takaya

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Education

Doctor of Philosophy, Physical Oceanography Columbia University in the City of New York, New York, USA	October 2019
Master of Philosophy, Physical Oceanography Columbia University in the City of New York, New York, USA	February 2018
Master of Arts, Physical Oceanography Columbia University in the City of New York, New York, USA	May 2016
Bachelor of Engineering, Environmental Engineering The University of Tokyo, Tokyo, Japan	March 2014

Honors and Awards

- Co-investigator of the 'Assessing the Role of forced and internal Variability for the Ocean and climate Response in a changing climate' (ARVOR) project funded for duration of 2022 - 2024 by the French Les Enveloppes Fluides et l'Environnement (LEFE) program;
- Attendee of Les Houches Summer School on Fundamental Aspects of Turbulent Flows in Climate Dynamics, which took place during August 2017 at l'École de Physique des Houches, France;
- Scholarship from the Heiwa Nakajima Foundation, a private foundation in Japan during 2014 - 2016.

Technical skills

- Core developer of `xrft`, a Python package for parallelized Fourier analysis and automated utilization of metadata (doi:10.5281/zenodo.1402635);

- Contributor to the Pangeo Forge ecosystem for cloud-based data distribution and computation for big data science (<https://pangeo-forge.readthedocs.io/en/latest/>);
- Contributor to the Python ecosystem for parallelized computation (e.g. `xarray`, `dask`, `xgcm`).

Service Activity

- Reviewed manuscripts for the *Journal of Physical Oceanography*, *Journal of Advances in Earth Modeling*, *Journal of Geophysical Research: Oceans*, *Geophysical Research Letters*, *Ocean Modelling*, *Climate Dynamics*, *Biogeosciences*, and *Journal of Oceanology and Limnology*;
- Served as a reviewer for the Wallenberg Academy Fellows awarded by the Knut and Alice Wallenberg Foundation in Sweden, and the BIENVENUE Call 2021 (H2020-MSCA-COFUND-2019) managed by the Regional Council of Brittany in France.