

Stanford



Jeff Wen

Ph.D. Student in Earth System Science, admitted Autumn 2019

Bio

BIO

Jeff Wen is a PhD student in the Department of Earth System Science. His research interests are broadly focused on applying machine learning to understand the social impacts of climate change and make decisions under climate uncertainty. He was previously an Assembly Fellow at the Berkman Klein Center and MIT Media Lab studying the governance and ethics of AI and formerly a data scientist at Tesla. Jeff holds a Bachelors in Economics from Wharton and a Masters in Environmental Studies from the University of Pennsylvania.

EDUCATION AND CERTIFICATIONS

- Masters, University of Pennsylvania , Environmental Studies (Sustainability)
- Bachelor of Science, Wharton School at The University of Pennsylvania , Economics (Operation and Information Management)

LINKS

- Personal Website: <http://www.jeffwen.com>

Professional

WORK EXPERIENCE

- Data Science Team Lead - Pixability
- Data Scientist - Tesla
- Business Analytics Associate - ZS Associates

Publications

PUBLICATIONS

- **Lower test scores from wildfire smoke exposure** *NATURE SUSTAINABILITY*
Wen, J., Burke, M.
2022
- **Wildfire smoke exposure worsens students' learning outcomes** *NATURE SUSTAINABILITY*
Wen, J., Burke, M.
2022
- **Daily Local-Level Estimates of Ambient Wildfire Smoke PM2.5 for the Contiguous US.** *Environmental science & technology*
Childs, M. L., Li, J., Wen, J., Heft-Neal, S., Driscoll, A., Wang, S., Gould, C. F., Qiu, M., Burney, J., Burke, M.
2022

- **Exposures and behavioural responses to wildfire smoke.** *Nature human behaviour*
Burke, M., Heft-Neal, S., Li, J., Driscoll, A., Baylis, P., Stigler, M., Weill, J. A., Burney, J. A., Wen, J., Childs, M. L., Gould, C. F.
2022
- **Wildfire Smoke Plume Segmentation Using Geostationary Satellite Imagery** *International Conference on Machine Learning (ICML) - Tackling Climate Change with Machine Learning Workshop*
Wen, J., Burke, M.
2021