

# Tina Huang

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## EDUCATION

### Yale University, School Forestry & Environmental Studies

*Master of Environmental Management*

### University of California, Berkeley

*Bachelor of Science in Environmental Economics and Policy, Society and Environment, Minor in City and Regional Planning*

- College of Natural Resources Dean's Honors (top 4%)

New Haven, CT

May 2019

Berkeley, CA

May 2017

## PROFESSIONAL EXPERIENCE

### Independent AI Builder

Hangzhou, China

2026–Present

- Built and launched three AI products from scratch: [Smoke Story](#) (wildfire intelligence), [NoThanks](#) (workplace boundary-setting), [Climate Triple Takes](#) (climate communication). Applied climate expertise to AI product development using Claude Code, Next.js, and real-time satellite data APIs.
- Open-sourced [Climate AI Learning Journey](#) — a public repository documenting AI learning from day zero, applied to climate problems

### NewClimate Institute

Berlin, Germany

*Climate Policy Analyst*

April - Sep 2024

- Led research design and delivery on the [role of environmental attributes certificates for corporate climate strategies](#)

### Boston Consulting Group

Toronto, Ontario, Canada

*Senior Knowledge Analyst, Climate & Sustainability*

June 2021 – August 2023

- Go-to knowledge team expert on climate policy & science. Core member of BCG Center for Climate & Sustainability Policy & Regulation. Lead the creation, coordination, and deployment of highly leverageable knowledge assets and tools such as IPCC climate science briefing, North American Climate trends, Article 6 primer, NDC/LTS benchmarking tool, key climate reports briefing ahead of COPs
- Provide analytical insights for climate & environment cases for private and public sector clients. Selected case topic include: Nationally Determined Contributions and Long Term Strategy for a country (client-facing Expert role), climate transformation for a bank, net zero roadmaps and climate strategies for private sector clients, and national adaptation plans for a country
- Serve as expert to activate case teams' knowledge on foundational corporate GHG accounting, target setting and decarbonization topics. Leveraging CDP database, SBTi, GHG Protocol knowledge
- Lead and support analysis for external publications, examples include: 1) [renewable energy in national climate plans \(IRENA\)](#), 2) [the state of climate action post COP26 \(World Economic Forum\)](#), and 3) [COP27 BCG Executive Perspective](#)

### World Resources Institute

Washington, D.C, USA

*Research Analyst, Global Climate Program*

Jan 2020- May 2021

- Conducted rapid response indicator analysis for updated Nationally Determined Contributions (NDCs) ahead of COP26 on WRI Climate Watch; led NDC-SDG Linkages analysis and projected target emissions quantification modeling using Excel. Co-authored a technical note to quantify 2030 emissions reductions from enhanced NDCs
- Managed and conducted quality checks for Greenhouse Gas emissions inventories, climate resilience and socioeconomic indicator datasets to communicate key climate data and visualizations to an average of 20,000 monthly website visitors
- Served as an expert to speak to journalists and academic institutions about latest climate insights (quoted by Reuters and Business Insider and spoke at Duke Law School); published widely read WRI Insights blogs
- Worked with a team to prepare ready-to-present research output in various formats (e.g., Excel, PowerPoint) for Leadership and Climate Program and lead production of monthly Climate Watch newsletter for 5000+ readers
- Presented Climate Watch program to external stakeholders and serve as an expert to answer questions on climate data. Managed all official email inquiries

### World Resources Institute

Washington, D.C, USA

*Data Team Intern, Science and Research*

June 2019- December 2019

- Acquired, cleaned, and processed geospatial datasets using GIS, Carto, Google Earth Engine, Python, and Excel
- Enhanced API query python module, identified and addressed data prioritization needs, evaluated potential datasets
- Translated scientific technical notes into common language metadata for datasets and provided technical edits for team's work
- Created visualizations of geospatial datasets on the Resource Watch Platform

## SKILLS & ACTIVITIES

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**Languages:** English (Full Professional Proficiency), Mandarin (Native), Taiwanese (Native)

**AI Fluency:** Claude Code, prompt engineering, Next.js, Vercel, API integration (Anthropic, satellite data APIs)

**Programming Languages:** Python, Google Earth Engine JavaScript, Arcpy, RStudio, Stata, SQL, CartoCSS, HTML

## PUBLICATION

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NewClimate Institute (2024). The role of environmental attribute certificates for corporate climate strategies. Available at: <https://newclimate.org/resources/publications/the-role-of-environmental-attribute-certificates-for-corporateclimate>

IRENA (2022), NDCs and renewable energy targets in 2021: Are we on the right path to a climate-safe future? International Renewable Energy Agency, Abu Dhabi

Fransen, Taryn, Mengpin Ge, and Tina Huang. "Determining Impacts of NDC Enhancement on Country-Level Emissions." (2021). <https://www.wri.org/research/determining-impacts-ndc-enhancement-country-level-emissions>

Hsu, A., N. Alexandre, J. Brandt, T. Chakraborty, S. Comess, A. Feierman, **T. Huang**, S. Janaskie, D. Many, M. Moroney, N. Moyo, R. Rauber, G. Sherriff, R. Thomas, J. Tong, Y. Xie, A. Weinfurter, Z. Yeo (in alpha order), (2018). The Urban Environment and Social Inclusion Index. New Haven, CT: Yale University. Available: [datadrivenyale.edu/urban](http://datadrivenyale.edu/urban).

Hsu, Angel, Yihao Xie, Andrew Feierman, Zev Nicolai-Scanio, Ross Rauber, Amy Weinfurter, **Tina Huang**, et al. 2017. "Who's Acting on Climate Change? Subnational and Non-State Global Climate Action." Yale Data Driven Environmental Solution group (Data-Driven Yale). [https://datadrivenlab.org/wp-content/uploads/2017/11/DDY\\_Taking-Stock-of-Global-Climate-Action.pdf](https://datadrivenlab.org/wp-content/uploads/2017/11/DDY_Taking-Stock-of-Global-Climate-Action.pdf).

## INVITED PRESENTATIONS

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Invited speaker, Duke Law School Human Rights in Practice Clinic. March 2021. <https://web.law.duke.edu/news/human-rights-practice-food-insecurity-climate-change-and-human-rights/>

## PEER-REVIEWED BLOG POSTS

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**Huang, Tina**. 2020. "Which Countries Are Most Vulnerable to Locust Swarms?" World Resources Institute (blog). May 19, 2020. <https://www.wri.org/blog/2020/05/coronavirus-locusts-food-insecurity>.

Daizong Liu, Xue Lulu, and **Huang Tina**. 2020. "3 Ways China's Transport Sector Is Working to Recover from COVID-19 Lockdowns." TheCityFix (blog). April 30, 2020. <https://thecityfix.com/blog/3-ways-chinas-transport-sector-working-recover-covid-19-lockdowns/>.

**Huang, Tina**, and Noah Maghsadi. 2020. "Runways Underwater: Maps Show Where Rising Seas Threaten 80 Airports Around the World." Insights blog. World Resources Institute (blog). February 5, 2020. <https://www.wri.org/blog/2020/02/runways-underwater-maps-show-where-rising-seas-threaten-80-airports-around-world>.

Cassidy, Emily, Snyder Amelia, **Huang Tina**, and Saccoccia Liz. 2020. "Wildfires Are Making Australia's Air Toxic and Have Displaced About 90,000 People." *Resource Watch Blog* (blog). January 9, 2020. <https://blog.resourcewatch.org/2020/01/09/wildfires-are-making-australias-air-toxic-and-have-displaced-more-than-18000-people/>.

**Huang, Tina**. 2018. "自行自在 | 红橙黄蓝之杭城演义." 一览众山小 (blog). August 17, 2018. <https://mp.weixin.qq.com/s/jdfd7FlkaIGgTEWi7olJQA>.

## MEDIA MENTIONS (selected international publications and media)

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Lavietes, Matthew. 2020. "Rising Seas Threaten to Drown U.S. Airports by 2100." Reuters, February 5, 2020. <https://www.reuters.com/article/climate-change-usa-airport-idINL1N2A31GA>.

Snouwaert, Jessica. 2020. "Locust Swarms Devour Fields of Crops in a Single Day That Would Feed 35,000 People — and COVID-19 Threatens to Make the Pest Problem Even Worse." Business Insider, May 19, 2020. <https://www.businessinsider.in/retail/news/locust-swarms-devour-fields-of-crops-in-a-single-day-that-would-feed-35000-people-and-covid-19-threatens-to-make-the-pest-problem-even-worse/articleshow/75831656.cms>.

Monica Nunez Salas. 2018. "Building a Greener Belt & Road." Yale School of Environment (blog). November 15, 2018. <https://environment.yale.edu/blog/2018/11/building-a-greener-belt-road/>.