

## Yunzhang James Hu

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### EXPERIENCE

**Rethink Priorities** (*international research consultancy and think tank*) Remote  
Associate Researcher, Global Health and Development (*incl. climate change*) Dec 2022 – Present  
Research Assistant, ——— Jul 2022 – Nov 2022

- Write consultation reports and cost-effectiveness analyses on promising philanthropic interventions for clients including GiveWell, Open Philanthropy, Schmidt Futures, and other charitable foundations
- Extend and finalize consultation reports previously shared with clients for online publication
- Review reports for accuracy, protocol compliance, clarity, precision, and reasoning transparency
- Maintain and organize research bibliographies across multiple projects, sub-teams, and disciplines
- Assist with project management, keep tabs on research developments and publicize team updates

**Lead Exposure Elimination Project** London, UK  
Intern, Research and Communications Sep 2021 – Jul 2022

- Published two 1,500-word blog posts on program cost-effectiveness and the economic cost of global lead exposure, the latter of which was cited in the Berlin G7 lead pollution workshop stocktaking report
- Identified principal contributors to cost-effectiveness uncertainty by conducting sensitivity analysis
- Support communications by redesigning home page, editing manuscripts and formatting policy briefs
- Named a University of Chicago Jeff Metcalf Fellow and awarded competitive grant funding

**Department of the Geophysical Sciences, University of Chicago** Chicago, USA  
Research Assistant, Planetary Geoscience (*principal investigator: Edwin Kite*) Jun 2021 – May 2022

- Manually assembled dataset of 4,000 <2 billion-year-old Martian impact craters with GIS software
- Developed computing methods in MATLAB linking crater orientation to Mars orbital history
- Synthesized context and findings in 10,000-word honours thesis and research expo presentation

**Ecosystems Center, Marine Biological Laboratory** Woods Hole, USA  
Student Researcher, Environmental Science (*adviser: Anne Giblin*) Oct 2021 – Dec 2021

- Independently designed study to determine sources of lead pollution in Plum Island salt marshes
- Procured and analysed 30 soil cores for heavy-metal isotope concentrations using ICP-MS
- Synthesized context and findings in a 5,000-word report and public symposium presentation

**X Academy** (*highly selective STEM summer camp for 14-18-year-olds*) Shanghai, China  
House Lead Jul 2020 – Aug 2020

- Conceived, designed, and organized ~10 daily hourlong recreational team activities for >300 students
- Intensively mentored 20-student cohort by promoting pastoral wellbeing, safety, and group bonding
- Fostered inclusive environment for rural, low-income cohort by successfully advocating meal stipend

**WildBound** (*sustainability and nature education non-profit*) Beijing, China  
Intern, Research and Communications Jun 2019 – Aug 2019

- Established online presence by building, designing, and authoring bilingual organizational website
- Supported curriculum and operations on 12-day Qinghai expedition and documentary filmmaking
- Named a University of Chicago Francis and Rose Yuen Fellow and awarded competitive grant funding

### EDUCATION

**University of Chicago** Chicago, USA  
Bachelor of Science, Environmental Science (*foci: biogeochemistry, ecology, surface geology*) 2022

- Graduated *summa cum laude* (top 8% by major, year 4) and Phi Beta Kappa (top 6%, year 3)
- Named a Student Marshal (top 5%, year 3) and Robert Maynard Hutchins Scholar (top 10%, year 2)
- Earned geoscience dept. honours (for thesis research) and named to Dean's List (top 20%; years 1, 2, 4)

**Marine Biological Laboratory** Woods Hole, USA  
Semester in Environmental Science (*foci: aquatic and terrestrial fieldwork, ecosystem models*) 2021

- Finished with highest grade-point average among cohort of 22 students from 13 different colleges

### SKILLS

**General:** project management • research assistance • writing • copy editing • geo- and data visualization

**Software:** Excel • Asana • Canva • InDesign • QGIS • GeoDa • Zotero • WordPress • Squarespace • Causal

**Coding:** *intermediate:* Python • MATLAB; *basic:* R • C; *related:* LaTeX • HTML • GitHub

**Language:** *native and biliterate,* CEFR C2: English • Mandarin Chinese; *elementary,* CEFR A2: French