Yunzhang James Hu

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EXPERIENCE

Rethink Priorities (*global research consultancy and think tank*)   Remote
Research Assistant, Global Health and Development (*incl. climate change*)   2022 – Present

- 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
Fellow, Research and Communications   2021 – 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*)   2021 – 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 honors thesis and research expo presentation

Ecosystems Center, Marine Biological Laboratory   Woods Hole, USA
Student Researcher, Environmental Science (*adviser: Anne Giblin*)   Autumn 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   Summer 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 (*global sustainability and education non-profit*)   Beijing, China
Fellow, Research and Communications   Summer 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), Phi Beta Kappa (top 6%, year 3)
- Named a Student Marshal (top 5%, year 3), 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