

# Curriculum Vitae: Yunzhang James Hu

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Education	<b>University of Chicago</b> BS, <i>summa cum laude</i> , Environmental Science with Honors Cumulative GPA: 3.95/4.00; Department GPA: 3.98/4.00	Chicago, USA Aug 2018 – Jun 2022
Awards	Enrico Fermi Scholar: <i>top 5% of program over last five years</i> The Dean's List: <i>top 20% of the College in relevant academic year</i> Latin Honors, <i>summa cum laude</i> : <i>top 8% of program year</i> Honors, Geoscience Dept: <i>completed optional honors thesis</i> Jeff Metcalf Fellow: <i>\$800 to fund part-time internship, with \$1,000 top-up – LEEP</i> Phi Beta Kappa: <i>oldest and most prestigious U.S. academic honors society</i> Student Marshal: <i>highest honor in the College for overall excellence</i> Robert Maynard Hutchins Scholar: <i>top 10% of class year at end of second year</i> Francis and Rose Yuen Fellow: <i>\$6,000 to fund full-time internship in Asia – WildBound</i> International Travel Grant (declined): <i>\$1,500 to fund research travel to Egypt</i>	2022 2022, 2020, 2019 2022 2022 2022, 2021 2021 2021 2020 2019 2019
Research	<b>Rethink Priorities</b> Research Assistant, Global Health and Development <ul style="list-style-type: none"><li>• Conduct exploratory and systematic literature reviews, and where relevant extract and code information and data, often on open-ended questions that are difficult to answer directly</li><li>• Fact-check research reports to ensure accuracy and compliance with protocols and standards</li><li>• Review GH&amp;D team's writing to improve clarity, precision, and reasoning transparency</li><li>• Maintain and organize research bibliographies across multiple projects and disciplines</li><li>• Keep tabs on relevant developments within wider GH&amp;D research community</li><li>• Assist with project management and follow up on incoming concerns addressed to GH&amp;D team</li><li>• Contribute updates from GH&amp;D team to internal newsletters and organization-wide wiki</li></ul> <b>Lead Exposure Elimination Project</b> Intern, Research and Communications <ul style="list-style-type: none"><li>• Publicized Malawi program cost-effectiveness analysis by writing 1,500-word <a href="#">blog post</a></li><li>• Produced <a href="#">sensitivity analysis</a> identifying principal contributors to Malawi CEA uncertainty</li><li>• Conducted <a href="#">research project</a> estimating global productivity loss from lead exposure in LMICs</li><li>• Communicated results and implications of study by writing second 1,500-word <a href="#">blog post</a></li><li>• Implemented communications strategy by revamping website <a href="#">home page</a> content and design</li><li>• Supported research and programs by editing and formatting research papers and policy briefs</li><li>• Named a University of Chicago <a href="#">Jeff Metcalf Fellow</a> and awarded competitive grant funding</li></ul> <b>Department of the Geophysical Sciences, UChicago</b> Research Assistant, Planetary Geoscience Group <ul style="list-style-type: none"><li>• Manually assembled dataset of 4,000 &lt;2 billion year-old Martian impact craters using GIS</li><li>• Developed <a href="#">computing methods</a> in MATLAB linking crater orientation to Mars orbital history</li><li>• Synthesized context and findings in 10,000-word <a href="#">honors thesis</a> and research expo presentation</li></ul> <b>Marine Biological Laboratory, UChicago</b> Student Researcher, Semester in Environmental Science <ul style="list-style-type: none"><li>• Designed study to determine sources of elevated lead pollution in Plum Island, Massachusetts</li><li>• <a href="#">Procured</a> and analysed 30 soil cores for heavy-metal isotope concentrations using ICP-MS</li><li>• Summarized context and findings in 5,000-word <a href="#">research report</a> and symposium presentation</li></ul>	Remote Jul 2022 – Present        London, UK Sep 2021 – Jul 2022        Chicago, USA Jun 2021 – May 2022      Woods Hole, MA, USA Oct 2021 – Dec 2021

## Projects

**How much economic productivity does lead exposure cost the world?** Blog post associated with “Update to Attina & Trasande (2013)” for Lead Exposure Elimination Project. Supervised by Lucia Coulter and Clare Donaldson, Directors, Lead Exposure Elimination Project, 2022.

**Update to Attina & Trasande (2013).** Research project for Lead Exposure Elimination Project consisting of spreadsheet and companion document. Supervised by Clare Donaldson, Director, Lead Exposure Elimination Project, 2022.

**How cost-effective is LEEP’s Malawi program?** Blog post associated with the cost-effectiveness model for Lead Exposure Elimination Project’s Malawi program. Supervised by Clare Donaldson, Director, Lead Exposure Elimination Project, 2022.

**Constraining Mars obliquity in the Amazonian and Hesperian periods using elliptic crater orientations.** Undergraduate thesis for the honors Bachelor of Science degree in the Department of the Geophysical Sciences. Supervised by Edwin Kite, Associate Professor, University of Chicago, 2022.

**Petrol, pellets, paint? Sourcing anthropogenic lead pollution in Plum Island sediments via stable-isotope analysis.** Independent research project for the Semester in Environmental Science. Supervised by Ann Giblin, Senior Scientist, Marine Biological Laboratory, 2021.

**University of Chicago EA website.** Conception, copywriting, design, monitoring, and maintenance of website. Supervised by Miranda Zhang, President, University of Chicago EA, 2021.

## Community

**Effective Altruism Global**  
Volunteer

Washington, DC, USA  
*Incoming*, Sep 2022

**Asterisk Magazine, Centre for Effective Altruism**  
Copyeditor (Paid Position)

*Remote*  
*Incoming*, from Aug 2022

**AI Governance Fellowship, UCL EA Coworking Space**  
Fellow

London, UK  
Jul 2022 – Present

**University of Chicago EA**  
Webmaster; Board Member

Chicago, USA  
Sep 2021 – Jun 2022

**Effective Altruism Global**  
Attendee

London, UK  
Apr 2022

**Introductory Fellowship, University of Chicago EA**  
Fellow

Chicago, USA  
Jan 2022 – Mar 2022

**Strangers Drowning Reading Group, EA Virtual Programs**  
Participant

*Remote*  
Jun 2021 – Jul 2021

## Skills

**General:** Project Management • Literature Reviews • Academic Writing • Data Visualization  
**Software:** Excel • Canva • InDesign • QGIS • GeoDa • Git • WordPress • Squarespace • Causal  
**Programming:** Python • MATLAB • R • C •  $\text{\LaTeX}$   
**Languages:** English (native) • Chinese (native) • French (elementary)