Julia Chen

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EDUCATION

Yale School of the Environment   New Haven, CT
Candidate for *Master of Forestry*, 2024
- **Focus:** Forest management in the Western United States
- **Relevant Coursework:** Forest Finance, Forest Dynamics, Plant Ecophysiology, Environmental Policymaking, Silviculture, Forest Management and Operations

University of California- Berkeley   Berkeley, CA
B.S. Ecosystem Management and Forestry: Natural Resources Management, B.S. Microbial Biology*, 2022*

RELEVANT EXPERIENCE

Ucross High Plains Stewardship Initiative   New Haven, CT
Research Assistant   September 2022-Present
- Develop a system thinking model for forest management in Wyoming to understand the needs and barriers to improving forest health and wood processing capabilities in the state
- Compile literature for case studies of innovative wood use systems
- Write a report for The Nature Conservancy-Wyoming to identify policy solutions and targeted investments

Pacific Forest Trust   San Francisco, CA
Watershed Risk Assessment Intern   July 2022
- Researched the costs of forest and watershed management actions and valuation of benefits to provide a current record of the economic considerations for management
- Compiled data into a spreadsheet system to document figures for future analysis
- Composed an update to the "A Risk Assessment of California's Key Source Watershed Infrastructure" report to improve the advocacy for watershed management actions

Museum of Vertebrate Zoology   Berkeley, CA
Curatorial Assistant/Biodiversity Informatics and GIS Apprentice   September 2020-August 2022
- Read literature pertaining to new amphibian species in order to georeference specific localities of collecting events and create range maps
- Acquired and organized GIS layers for approximating species ranges and amphibian conservation research
- Ensured data quality and integrity for the Arctos database that shares research-grade data on natural and cultural history

KEY PROJECTS

Western Lands and Communities Field Clinic   January 2023- Present
- Develop, a beaver mitigation plan for the Tensleep Preserve in Wyoming that balances water rights access and beaver ecological activity - in collaboration with The Nature Conservancy – Wyoming

AmphibiaWeb Conservation Working Group   January 2021- Present
- Processed geospatial data to explore how protected area size affect amphibian species conservation globally to inform future initiatives

UC Berkeley Forestry Camp   June 2021- August 2021
- Surveyed forest stands at Blodgett Forest Research Station to co-write an inventory report and objective-based management plan with group members

LEADERSHIP

Cal Forestry Club   Berkeley, CA
Vice President/President   January 2021-December 2021
- Invited and coordinated guest speakers to present on their careers to highlight the diversity of paths current forestry students can pursue
- Established a weekly segment highlighting minority environmentalists

AWARDS

Show/Kotok Memorial Fund Recipient   2021-2022
- Annual award to a UC Berkeley student who demonstrates "…the qualities of mind, spirit, and personality which promise the ability to exercise public leadership in the wise conservation and use of forest resources."

PROFESSIONAL AFFLIATIONS

- Society of American Foresters
- Xi Sigma Pi – National Forestry Honor Society
- Prytanean Women's Honor Society

SKILLS & INTERESTS

Skills
- **Geographic Information Systems Software:** ArcGIS suite, QGIS
- **Computing:** R (tidyverse, dyplr, ggplot2, terra), Git, Excel
- **Field Work:** measuring tree diameters with D-tape and heights with a clinometer, timber cruising with basal area prism, dendrology, tree marking according to protocol, manual pruning, traversing rough terrain

Interests: Tuba playing, Hiking, Community Service