

# Yasmeen Nekoo

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## EDUCATION

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### Columbia University

Masters of Arts, Climate and Society

**Expected graduation: May 2024**

*Manhattan, NY*

### University of Maryland

Bachelor of Science, Environmental Science and Policy

**Graduated: Dec 2022**

*College Park, MD*

Minors: Remote Sensing of Environmental Change | International Development and Conflict Management

- GPA: 3.95

## WORK/PROJECT EXPERIENCE

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### Sustainability Analyst Intern

Sembcorp Industries Ltd.

**Jun 2022 – Aug 2022**

*Singapore*

- Focused research on Sembcorp's renewable project sites for biodiversity screening and risk mitigation using Google Earth Pro and an Integrated Biodiversity Assessment Tool
- Assisted in gathering on-site data for the monthly biodiversity survey at Singapore's floating Tengeh solar panels
- Drafted and edited new Environmental Group Policy Standards to be shared and utilized by Sembcorp global branches
- Presented research findings and data collection to board members and staff

### Departmental Research Assistant

Lamont Doherty Earth Observatory

**Oct 2023 – May 2024**

*New York, NY*

- Conducted research on global plastic waste dump sites and their vulnerabilities to climate change in collaboration with Lamont scientists
- Operated integrative assessment tools like Global Plastics Watch in conjunction with literary scholarship to determine and compare sites of greatest impact
- Implemented ArcGIS Pro to map vulnerable sites to climate hazards, encouraging action for plastic policy reform

### Junior Scientific Researcher

National Socio-Environmental Synthesis Center

**May 2021 – Aug 2021**

*Annapolis, MD*

- Conducted research in collaboration with NOAA regarding climate change impacts on fish populations in the Northeast Shelf Regional Ecosystem
- Employed Multi-Species Size Spectrum Modeling in R to store life history and size-based biological parameters as well as fishing selectivity, catchability and growth dynamics
- Used Excel to classify and calculate data based on varying fish stock assessments

### Environmental Science and Policy Capstone

Chesapeake Bay Foundation: Heavy-Duty Vehicle NOx Emissions

**Aug 2022 – Dec 2022**

*College Park, MD*

- Participated in a semester-long collaborative project with the Chesapeake Bay Foundation (CBF) analyzing heavy-duty vehicle NOx emissions in three Environmental Justice communities in Washington D.C., Virginia and Maryland
- Used GIS mapping tools to evaluate most affected communities and generate story maps
- Formulated a research paper and presented findings to professors and CBF executives

## **International Development Capstone**

Manna Project International: Childcare in Ecuador

**Aug 2022 – Dec 2022**

*College Park, MD*

- Lead a semester-long collaborative project helping Manna Project International (MPI) develop sustainable solutions for getting street market children in Sangolqui, Ecuador, into a daycare program
- Created a research brief, problem stakeholder analysis, and results framework to generate a final pitch
- Interviewed street vendor parents to gain on-the-ground perspective
- Presented in a final symposium before an audience of development and conflict management policy makers, MPI Directors, and practitioners from around the world.

## **SKILLS**

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- Writing and visualizations for collection and management of data/Data analysis with R
- Proficient in the application of Geospatial Information Systems and digital image processing using ENVI software and ArcGIS Pro
- Strong understanding of U.S. climate science and policy
- Problem-based and design oriented thinking for conflict management and humanitarian initiatives

## **RELEVANT COURSEWORK**

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Dynamics of Climate Variability and Change, Environmental Law and Politics, Introduction to Carbon Sequestration, International Development and Conflict Management, Urban Planning and Design for Future Cities, Advanced Geographical Environmental Systems