Hera Dashnyam

Oxford, OH 45056, Data Analytics Junior Specializing in Bioinformatics & Environmental Science
(513) 680-9332 | hera.dashnyam@gmail.com
https://www.linkedin.com/in/maralgua-dashnyam-aba090263/

EDUCATION

MIAMI UNIVERSITY   **Oxford, OH**
Bachelor of Science   **December 2025**
Data Analytics (Bioinformatics) & Environmental Science
- Applied Python, R, and genomic tools (BLAST, GenBank) in research-based coursework and faculty labs; active in Women in Computing and Data Scholars.

KOREA UNIVERSITY   **Seoul, Korea**
Study Abroad   **April 2024**
Environmental Science
- Engaged in a diverse academic environment, enhancing skills in cross-cultural communication, and international environmental policy for a semester.

SKILLS

- Python & R: Data analysis, statistical modeling, and workflow automation on large datasets (10,000+ entries).
- Bioinformatics: RNA-Seq, BLAST, GenBank, StringTie, GTF/GFF3 formats, and pybedtools.
- GIS & Environmental Science: ArcGIS mapping, ecosystem analysis, and sustainability data interpretation.
- Research & Communication: Scientific writing, hypothesis testing, and cross-disciplinary collaboration.
- Web Development: Interactive site design with HTML, CSS, JavaScript, and R Markdown.

PROJECTS

SUSTAINABILITY & PUBLIC HEALTH DASHBOARDS +   **Oxford, OH**
Solo Projects - maralguadashnyam.github.io/Portfolio   **August 2022 - Present**
- Designed a forest-themed animated portfolio site using R Markdown, HTML/CSS, and JavaScript.
- Built interactive dashboards and automated genomic pipelines using R, Python, BLAST, and GenBank.

RNA-SEQ TRANSCRIPTOME COMPARISON   **Oxford, OH**
Miami University – Dr. Chun Liang, Department of Biology   **August 2024 - Present**
- Developed RNA-Seq pipelines using pybedtools and StringTie to identify novel transcripts and gene isoforms from chicken genome data.

CLIMATE RISK & MEDICALLY VULNERABLE POPULATIONS   **Oxford, OH**
Miami University – Dr. Shenyue Jia, Department of Geography   **November 2024 - Present**
- Mapped health insurance gaps and power outage risks in Ohio census tracts using ArcGIS and ACS data (2013–2022).

EXPERIENCE

MIAMI UNIVERSITY   **Oxford, OH**
Information Services Specialist   **August 2024 - Present**
- Planned campus events and facility operations by coordinating audio/visual setup, assisting with event technology, and responding to on-site technical needs in real time.

MERRIFIELD GRANITE & MARBLE   **Newington, VA**
Environmental Data Analyst & Product Development Intern   **January 2024 - July 2024**
- Conducted environmental and product data analysis on creek health and 200+ materials, helping reduce ecological impact and improve company sustainability by 15%.

VOLUNTEER WORK

HERACADEMIA   **Ulaanbaatar, Mongolia**
Volunteer English Tutor   **June 2024 - Present**
- Tutored students (ages 7–18) in English remotely and in hybrid settings, supporting language development and cross-cultural communication.