AISAIAH PELLECER

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EDUCATION

University of Illinois Urbana-Champaign   **Expected: December 2024**
B.S. Information Sciences and Data Science
- **Relevant Coursework:** Algorithms & Data Structures, Concepts of Machine Learning, Database Design & Scaling, Decision Analysis, Discrete Mathematics, Linear Algebra, Object-Oriented Programming.

TECHNICAL SKILLS

- **Programming Languages:** Python, R, JavaScript, SQL, Processing (Java) | STATA, SPSS (Software)
- **Development:** Flask, HTML, CSS | Version Control (Git, Docker) | Design (Adobe Illustrator, Adobe XD)

PROFESSIONAL EXPERIENCE

The Community Data Clinic   **Champaign, Illinois**
Undergraduate Researcher   August 2023 – Present
- Engage in the Illinois Broadband READY project, contributing to statewide efforts in expanding digital equity.
- Manage media design and communication tasks, ensuring the creation of a community-centered platform.
- Co-host digital equity podcast dedicated to disseminating vital resources within East Central Illinois.

Library of Congress   **Washington, District of Columbia**
LC Labs Junior Fellow   May 2024 – July 2024
- Provided general support for LC Labs activities, including API script requests for researchers and the public.
- Developed computer vision workflow for object detection and segmentation using EfficientSAM and PyTorch.
- Evaluated model risk using an AI planning framework and applied morphological image processing techniques.

Congressional Hispanic Caucus Institute   **Washington, District of Columbia**
Congressional Intern - Rep. Delia C. Ramirez   May 2023 – August 2023
- Processed constituent requests and developed in-depth understanding of Indigov CRM procedures.
- Attended hearings, briefings, and bill mark-ups for senior staff and drafted policy memos.
- Streamlined office operations with Python scripts, including processing data for the office knowledge base.

The Center for Health Informatics   **Champaign, Illinois**
Undergraduate Researcher   January 2023 – May 2023
- Redesigned the Burkina Faso Ministry of Health's Measles database from an outdated Microsoft Access system.
- Defined SQL queries and procedures for a Flask application's backend operations linked to a local SQL DBMS.
- Co-led application design for English and French interfaces, with a strong focus on information architecture.

MAPCorps   **Chicago, Illinois**
Data Coordinator   June 2022 – August 2022
- Co-designed a research project with MAPSCorps partnerships and community-based organizations.
- Managed data collection & analysis for 3,000+ community assets in Southeast Chicago with high-school youth.
- Awarded MAPSCorps' inaugural Data-Driven Community Advocacy award: a $10,000 group scholarship.

UnidosUs   **Washington, District of Columbia**
Líderes Avanzado Policy Fellow   August 2021 – April 2022
- Crafted a policy memorandum for Congressional committees aimed at post-secondary education reform.
- Presented policy recommendations to legislative staffers of Congressional Representatives.
- Cultivated leadership and civil rights advocacy skills on a local, state, and federal level.

PROJECTS

Carnegie Mellon University: Public Service Weekend Data Scopeathon   **July 2023**
Team Member
- Co-led award-winning team devising innovative strategies with ML models to combat food insecurity in D.C.
- Developed implementable solutions to target SNAP benefits effectively, earning recognition for practicality.