

## AISAIAH PELLECEER

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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, Modeling & Learning in Data Science, Discrete Mathematics, Linear Algebra, Object-Oriented Programming.

### PROFESSIONAL EXPERIENCE

#### Community Data Clinic

Champaign, Illinois

Undergraduate Researcher

August 2023 – Present

- Co-host digital equity podcast dedicated to disseminating vital resources within East Central Illinois.
- Manage media design and communication tasks, ensuring the creation of a community-centered platform.
- Engage in the Illinois Broadband READY project, contributing to statewide efforts in expanding digital equity.

#### 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 iteratively applied 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.

#### 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- Redesigned the Burkina Faso Ministry of Health's Measles database from an outdated Microsoft Access system.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.

#### Bard College Student Government

Annandale-on-Hudson, New York

Chair of Student Life Committee

August 2021 – May 2022

- Chaired Student Life Committee and addressed concerns and recommendations for improving campus life.
- Led committee to survey a student population of 2,000+, and execute equity projects & trustee reports
- Oversaw the Student Project fund totaling \$35,000, and allocated funds toward student-led initiatives.

#### 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

Team Member

July 2023

- 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.