

AISAIAH PELLECEER

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EDUCATION

B.S. Information Sciences and Data Science

Expected: December 2024

University of Illinois Urbana-Champaign

- Relevant Coursework: Concepts of Machine Learning, Data Management, Curation & Reproducibility, Database Design and Prototyping, Ethics and Policy for Data Science, Programming for Information Problems I & II, Calculus I, II, Discrete Mathematics, and Introduction to Database Concepts.

SKILLS

- Technical Skills: Python, SQL, STATA, SPSS, Flask, Sci-Kit, TensorFlow, Git, Docker, Adobe (Illustrator, XD)
- Foreign Languages: Spanish

PROFESSIONAL EXPERIENCE

University of Illinois Urbana-Champaign

Champaign, IL

Undergraduate Researcher - Community Data Clinic (Dr. Anita Say Chan)

August 2023 – Present

- Manage web design and communication tasks, ensuring the creation of a community-centered online platform.
- Survey community-based organizations to tailor designs according to user needs and preferences.
- Lead media design, crafting visually appealing materials to communicate project insights effectively.

Congressional Hispanic Caucus Institute

Washington, DC

Micron-Technology Congressional Intern - Rep. Delia C. Ramirez

Summer 2023

- Developed in-depth understanding of constituent data processing procedural flows and batch upload process.
- Extracted Congressional contact information from existing websites and automated front-end office procedures.
- Attended hearings, briefings, and bill mark-ups for senior staff and drafted policy memos.

University of Illinois Urbana-Champaign

Champaign, IL

Undergraduate Researcher - Center for Health Informatics

January 2023 – May 2023

- Redesigned the Burkina Faso Ministry of Health measles database from outdated Microsoft Access platform.
- Developed application linked to MySQL DBMS using Flask and agile web development methodologies.
- Co-lead application design for English and French interfaces, with a strong focus on information architecture.

MAPCorps

Chicago, IL

Data Coordinator

Summer 2022

- Produced data analysis and stewardship reports on a weekly basis on asset data.
- Co-designed research project with MAPSCorps partnerships and community-based organizations.
- Developed data-informed community advocacy projects and provided youth STEM mentorship.

UnidosUs

Washington, D.C./ Remote

Afro-Latinx Lideres Avanzado Policy Fellow

August 2021 - April 2022

- Crated 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

Modeling Physicochemical Properties of High-Quality Red Wine

Spring 2023

- Developed a concise model using a UCI Machine Learning Dataset to identify the key physicochemical properties influencing premium wine quality for production purposes.
- Utilized Python and Scikit-learn library for statistical analysis and model optimization.

Classifying Chicago Community Areas based on Socioeconomic Indicators

Spring 2023

- Employed NumPy and Pandas to process and analyze Chicago's census data
- Implemented a decision tree algorithm to classify regions based on socioeconomic metrics.