AISAIAH PELLECER

Chicago, Illinois | 872-401-9100 | pellecer.aisaiah8@gmail.com | linkedin.com/in/apellecer1/ | github.com/aisaiahpellecer |

EDUCATION

B.S. Information Sciences and Data Science   **Expected: December 2024**
University of Illinois Urbana-Champaign
- **Relevant Coursework:** Machine Learning, Object-Oriented Programming, Algorithms & Data Structures, Calculus I, II, Database Admin & Scaling, Database Design & Prototyping, Discrete Mathematics, Data Management, Curation, and Reproducibility, Ethics and Policy for Data Science, Human-Computer Interaction.

TECHNICAL SKILLS

- **Programming Languages:** Python, R, JavaScript, SQL, Processing (Java) | STATA, SPSS (Software)
- **Databases:** SQL (MySQL, PostgreSQL, SQLite, RDBMS) | NoSQL (MongoDB, Cypher)
- **Development:** Flask, HTML/CSS | Version Control (Git, Docker) | Design (Adobe Illustrator, Adobe XD)

PROFESSIONAL EXPERIENCE

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

Congressional Hispanic Caucus Institute   **Washington, DC**
Micron-Technology Congressional Intern - Rep. Delia C. Ramirez   Summer 2023
- Developed in-depth understanding of Indigov CRM data processing procedural flows and batch upload process.
- Extracted Congressional contact information from existing websites and automated office tasks with Python.
- Attended hearings, briefings, and bill mark-ups for senior staff and drafted policy memos.

The Center for Health Informatics   **Champaign, IL**
Undergraduate Researcher   January 2023 – May 2023
- Redesigned the Burkina Faso Ministry of Health Measles database from outdated Microsoft Access platform.
- Developed application linked to SQL 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
- Co-designed 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, D.C./ Remote**
Líderes Avanzado Policy Fellow   August 2021 - April 2022
- Crafted 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

Design For America UIUC Chapter   **Fall 2023**
Team Member
- Addressed Urbana-Champaign community challenges through a UX and human-centered design approach.
- Utilized extensive interviews alongside secondary research, to identify key issues and shape actionable goals.

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.
- Selected for leadership potential at conference focusing on public policy and tech for social good.

Modeling Physicochemical Properties of High-Quality Red Wine   **Spring 2023**
- Developed a Logistic Regression model to identify the key factors influencing premium wine quality.
- Utilized Python and Scikit-learn library for statistical analysis, feature engineering, and model optimization.