

# Alberto Olea

224.523.0633 • albertolea@cloudaris.org • <https://albert-olea.github.io/site/>

## Education

### Northwestern University

*Master of Science in Data Science (3.94)*

September 2024 - Present

### University of Illinois at Chicago

*Bachelor of Science in Industrial Engineering*

Graduated, May 2019

### Elgin Community College (ECC)

*Associate in Engineering Science*

Graduated, August 2015

## Professional Experience

### DYN Lab at Northwestern School of Education & Social Policy

March 2023 - March 2025

*Research Analyst/Product Manager*

- Led development of geo-based, activity data capture system to research youth informal learning spaces.
- Managed full production environment integration of out of school time scholarship allocation systems into the Citieslearn, ed-tech platform to provide users with fully funded, location-based, educational experiences.
- Led multi-disciplinary teams in designing, creating, and developing end-to-end learning software.
- Implemented web facing, interactive analytics tools like Tableau visualizations and interactive gis maps to map out citywide educational opportunity landscapes through frontend analytics websites.
- Engineered data pipelines and complex queries across relational SQL databases and Airtable forms.

### MAPSCORPS

Sep. 2021 – March 2023

*Data & Technology Manager*

- Created geospatial, asset based, policy proposals for nationwide cities and municipalities using custom built geospatial data systems across multiple internal teams + departments.
- Led boots on the ground data collection, cleaning, visualization, and analysis for external stakeholders such as the Chicago Community Trust and the city of Chicago's Mayoral office.
- Managed a diverse data team of 30+ analytics staff to implement IT infrastructure and reach KPI benchmarks while actively facilitating career growth and development opportunities for underserved populations.
- Performed Participatory Action Research, created and taught a robust data science curriculum for at risk youth across the south and west sides of Chicago

### William Blair

Jan. 2022 – June 2022

*IT Investment Banking Analyst*

- Applied data cleaning, wrangling, exploratory analysis, and prediction methods in python analyze confidential, founder-based, merger & acquisition data.
- Actively presented analysis findings and opportunities for improvement in founder-based M&A processes.
- Implemented real time analytics from salesforce crm into an internal ppt creation tool using Python-pptx.

### Erie Family Health Centers

Sep. 2019 - May. 2021

*Process Improvement Engineer*

- Queried patient data with basic SQL functions while also de-identifying and protecting patient confidentiality.
- Implemented key performance indicators for continuous improvement at eight community serving health clinics

### Lyric Opera House of Chicago

Aug. 2018 - Dec. 2018

*Data Analytics Intern*

- Cleaned large datasets of non-profit business intelligence data using R programming language.
- Used sentiment analysis algorithms (nlp, text analysis) to sort and quantify customer feedback

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## Technical Skills

**Programming:** Python (eg. scikit-learn, spark, numpy, pandas, matplotlib), R-Studio, JavaScript, HTML, CSS, SQL, Go, GIS tools, Excel, G-suite, Google Colab, Visual Studio, Docker, Postgresql, Figma, JSON, GeoJSON

**Data Science & Miscellaneous Technologies:** A/B Testing, ETL, Data Science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Modeling, Operations Research methods, Hypothesis Testing, OOP, API integration, Excel, Tableau, ArcGIS, Git

## Academic Honors

*Dean's List, Phi Theta Kappa Honor Society, Academic All-America (Awarded to top GPA's in student athletics), co founder & President Engineers Without Borders, Midwestern Regional Representative - Institute of Industrial and Systems Engineers, IFC Mathematics Tutor, Sigma Alpha Mu Fraternity Recruitment Chair, UIC Soccer Club*

## Volunteer Experiences

**PARC at Depaul University,**

*Advisory Board Honorarium*

Nov. 2023 -Present

**Bluebonnet Data,**

*Data Science Fellow*

Aug. 2023 – March 2024

**Tech for Campaigns,**

*Data Analyst Volunteer*

May 2021 – April 2023

**Environmental Neuroscience Lab at the University of Chicago,**

*Data Analytics Volunteer*

Oct. 2021 - June 2022

**Lions of Illinois Eye Research Institute,**

*Junior Data Scientist/Research Assistant*

June 2019 - June 2020