ETHAN MADDY

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EXPERIENCE

Humana Chicago, IL · Jun 2023 – Present

Business Intelligence Lead Jun 2026 – Present

- Advises C-suite and senior leaders on Medicaid growth strategy and market entry in 3 markets ($2B+ annual premium)
- Owns the forecasting and advanced analytics behind executive decisions on growth, cost, and care

Senior Business Intelligence Engineer Apr 2025 – Jun 2026

- Led data strategy for the Wisconsin Medicaid market, supporting ~50K members and ~$1B in annual premium
- Built the forecasting models behind care intervention targeting and MER trend prediction
- Created and owned a centralized reporting suite that saves ~5,000 hours of manual work per year (3 FTEs)

Business Intelligence Engineer II Jun 2023 – Mar 2025

- Engineered and shipped an internal product that generates $12M+ in annual recurring revenue
- Supported GenAI & data science work to predict patient conditions, reducing ER-related claims 8% across 300+ facilities

Beacon · *Founder* Chicago, IL · Apr 2025 – Present

- Leading a 3-person team that launched a mobile app connecting people to local healthcare and social services
- Built a multi-stage data pipeline that discovers, reads, and automatically re-verifies facility websites, combining web crawling, LLM extraction, and human review to keep listings accurate

Duke University, Sanford School of Public Policy · *Graduate Research Assistant* Durham, NC · May – Dec 2021

- Created statistical models to evaluate health policy interventions and their effects on cost and quality of care
- Cleaned, analyzed, and visualized large healthcare datasets to identify trends and causal relationships

The Chartis Group · *Summer Intern* Chicago, IL · Jun – Aug 2021

- Supported 3 health system client engagements spanning financial modeling, market entry, and operational strategy
- Built forecasting models to project client revenue, cost trajectories, and employee retention

EDUCATION

University of Cambridge · *MPhil in Population Health Sciences, Distinction in Health Economics* Cambridge, UK · 2022 – 2023

Cambridge Trust Scholar · Department of Public Health Studentship · Selwyn College · Departmental Class Representative

University of Oklahoma · *MA in Economics, Valedictorian* Norman, OK · 2020 – 2022

GPA: 4.0/4.0 · Stanford Knight-Hennessy Scholarship Finalist · Harry S. Truman Scholarship Finalist

University of Oklahoma · *BA in Economics, Summa Cum Laude, Valedictorian* Norman, OK · 2018 – 2022

GPA: 4.0/4.0 · Overall Outstanding Senior · Social Sciences Outstanding Senior · Daily Point of Light Award · Campus Life Award · President's Community Scholars · Economics Academic Excellence Award · Oklahoma Summer Policy Institute Award

CIVIC & COMMUNITY

CommunityHealth · *Associate Board Member* 2025 – Present

- Serves on the associate board of the largest free clinic in the U.S., contributing to organizational and technology strategy

Big 12 Food Pantry Alliance · *Founder & Chair* 2019 – 2022

- Founded a coalition of Big 12 food pantries to share resources and ideas, reaching 20K+ people facing food insecurity

OU Food Pantry · *Director* 2019 – 2022

- Led the campus pantry through the pandemic, launched online ordering, and grew to 700+ volunteers serving 10K+ clients

The Oklahoma Group · *Vice President & Consultant* 2019 – 2022

- Provided pro-bono data strategy, financial modeling, and program evaluation for Oklahoma nonprofits

SKILLS

Languages: SQL, Python, R, JavaScript, Dart, HTML/CSS
Data & Cloud: Snowflake, Databricks, BigQuery, dbt, Airflow, Spark, PostgreSQL, Supabase, GCP, AWS
Build & BI: Flutter, Selenium, LLM integration, Git, Power Automate, Power BI, Tableau, SAS, Stata
Methods: Econometrics and causal inference (difference-in-differences), machine learning, forecasting, Monte Carlo simulation

WRITING

The Optimal Amount of Suffering · A data essay in R: when does losing make winning feel better? Sep 2026

The Last Mile · On the gap between having coverage and actually reaching care, and why I started Beacon Jun 2026