# CONOR KELLY

Data engineer and team leader. Demonstrated track record of leadership, excellence, and adapting to new tools. Professional expertise in health and education data. Passionate about real-word data challenges.

## EXPERIENCE

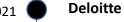**2023 — present**

**Deloitte**
*Senior Consultant, Data Science and Engineering*
- Developed pipeline to extract information from millions of pages of unstructured documents submitted to the FDA.
- Enabled comprehensive surveillance of critical drug substance supply chains, saving thousands of man-hours by using natural language processing, large language models, and named entity recognition for data identification and standardization.
- Led weekly discussions with 20+ FDA stakeholders to determine scope and approach to critical projects, ultimately resulting in hundreds of FDA employees adopting new analytics tools.

**2021 — 2023**

**Deloitte**
*Consultant, Data Science and Engineering*
- Developed data pipelines to support analytics projects for the FDA, serving as deputy lead of data engineering team.
- Assigned and oversaw work of team members, led scrum calls, and served as a code reviewer for CI/CD processes.
- Automated the ingestion and processing of over 25 million data points, enabling FDA's first-ever analysis of order-level data from industry for early identification of drug shortages.

**2019 — 2021**

**Hanover Research**
*Senior Director, Data Analytics*
- Managed team of 10 data scientists working to support Hanover's clients in its education and commercial practices.
- Instituted new team-wide practices and protocols including version control and reproducible code and analysis templates.
- Reduced timelines and resource investment for client projects.

**2015 — 2019**

**Hanover Research**
*Content Director*
- Managed research projects and consulting engagements for over 50 education-sector clients. Collaborated with superintendents, heads of school, and directors of research and evaluation to plan and execute research agendas.

## CONTACT

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## EDUCATION

**University of Notre Dame**
B.A. Political Science (2014)

**Johns Hopkins University**
M.S. Applied Economics (2019)

## TECHNICAL SKILLS

**Python:** Extensive experience with `pandas` and `pyspark` for data processing and machine learning

**SQL:** Highly proficient in SQL (and `pysparksql`) for data pipelines

**R:** Extensive experience in data wrangling and analysis

**Tableau**: Experience designing dashboards for public use and organizational decision-makers

**Additional technical skills**
- Git (GitHub/GitLab) for CICD
- Databricks, AWS, Spark
- Stata

## OTHER SKILLS

- Team management and mentorship
- Project management (Salesforce/JIRA)
- Requirements gathering
- Client/stakeholder relations

# 💼 EXPERIENCE (CONTINUED)

2015
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2015

**Hanover Research**
*Content Analyst*
- Served as project lead and editor for other analysts in addition to own research work and responsibilities.

2014
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2015

**Hanover Research**
*Research Associate*
- Authored research and analysis reports for K-12 and higher education clients to drive evidence-informed decision-making.

# 🤝 PERSONAL AND VOLUNTEER PROJECTS

2020
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2021

**COVID Tracking Project:**
- Developed data ingestion pipeline and Tableau dashboard for CTP's Long-Term Care data tracker (https://covidtracking.com/nursing-homes-long-term-care-facilities) in 2020 and 2021.
- Wrote articles analyzing COVID-19 data

2020
|
present

**Public Dashboards:**
- Maintained automated data pipelines and hosted dashboard visualizations on my personal website (https://ckelly17.github.io/dashboards) on a variety of topics, including multiple COVID-19 dashboards and political polling analyses.
- Collectively, these dashboards have received hundreds of thousands of views from users around the world.

2022
|
2023

**Flight tracking Twitter app**
- Developed and deployed application to analyze military flight traffic in Eastern Europe in 2022 and 2023. No longer updating.