



# Dandelion

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## Clinical Informaticist

New York or Remote / Full-Time / Early to Mid-Career

Resumes, questions, and requests for assistance or an accommodation due to a disability may be directed to Dandelion's Head of Data, [shivaani@dandelionhealth.ai](mailto:shivaani@dandelionhealth.ai)

References are required.

**Salary Range:** \$135,000 - \$160,000 + equity; Salary will be commensurate with experience

## Our Team

[Dandelion Health](#) was founded in 2020 by experts in [health tech](#), [hospital systems](#), [academia](#), and [clinical AI](#). We are building the world's largest AI product development platform. Today, we pride ourselves on our ability to make data access as easy as possible for AI developers, while raising the bar for patient safety and data quality. Tomorrow, we will be the place where any AI developer can go to build a responsible clinical AI product. Our culture is all about learning from data and improving, so we can help our clients improve health through AI. Meet the rest of our team [here](#).

## Our Data and Cloud Stack

We partner with [health systems](#) to safely and ethically make their de-identified patient data available to AI developers. Currently the data is acquired from Sharp HealthCare, Sanford Health and Texas Health Resources in the United States – with two additional U.S. health systems joining soon. We have clinical data dating back to July 1, 2016. This data represents over 10 million patients and includes but is not limited to:

- Structured data (e.g., 100% of the EMR, including some claims)
- Unstructured text (e.g., clinical notes, radiology reports)
- Images, video (e.g., DICOM, pathology slides, procedure videos)
- Waveforms, streaming inpatient data (e.g., ECGs, ICU and bed monitors)

We are an AWS and Python shop. Our clients, partners, and internal teams may work with other languages and platforms from time to time (e.g., R, MATLAB, GCP, Azure).

## Your Role

You are a technically strong, medically trained individual with a health informatics background who knows your way around clinical and health record data. Your primary responsibility is to own and be responsible for interpreting and analyzing raw data from hospital systems and clinical workflows, in order to develop meaningful Dandelion data models that accurately represent a patient's healthcare journey. You will also ensure that the highest standards of patient privacy protections are met in our products, by identifying and mapping PHI/PII in clinical data so that the data can be successfully de-identified.

You are not afraid to dig into massive, confusing, disorganized new datasets and get them under control. You are excited to learn new environments, languages, and skills. This is a small, early stage company with enormous ambitions and everyone pitches in to do everything.

Your day-to-day priorities will include utilizing data analysis tools to explore clinical data within the health system environment. This will include the following:

- Querying complex source systems in a range of health data sources (e.g., EMRs, ECG data, DICOM data) to identify and map raw data tables and their contents, including PHI and PII elements that need to be de-identified in order to create high-quality datasets for training AI algorithms. You pay attention to detail, but also know how to keep the big picture in mind.
- Develop Dandelion data models by reconciling different healthcare system's datasets and harmonizing data elements to reflect clinical concepts.
- Summarize the complexity of Dandelion and health system data discovery, data structures and operations into clear explanations and documentation for internal and external audiences.
- Support the design, testing, validation, analysis, and merging of multimodal data structures from a variety of source systems
- Support all phases of SQL/analytical programming, data management, quality control, and reporting on our informatics approach
- Collaborate with health system partners to interpret data tables and definitions, to help Dandelion deliver on data requests with accountability for timely and high-quality delivery
- Perform complex data extraction, manipulation, and summarization of large databases to create analytical datasets and provide a range of solutions to support customers' AI activities
- Develop code to deliver high-quality and HIPAA-compliant data products on time to customers
- Create summarized findings and recommendations on Dandelion's informatics approach that are clearly presented and adapted for audiences that have a varying range of technical and clinical experience
- Ensure accuracy, data integrity, and validity of data and analysis in all work.
- Present to senior leadership as well external audiences

## Qualifications

- MD/DO with completed residency training and Clinical Informatics board-certification/board-eligibility preferred; or M.S. or PhD degree in a relevant field, such as Biomedical Informatics; or B.S. with at least ten years of experience
- 2+ years experience querying EHR data (fluency in SQL required; experience with tools such as dbt and Python strongly desirable)
- Experience with extracting, curating, and analyzing data created within the HIT and healthcare delivery ecosystem (e.g., EHR, claims, registry); this may include knowledge of the roles of data exchange and content standards (e.g., FHIR, CDA, CQL) and clinical terminology standards (e.g., ICD, CPT, LOINC, SNOMED-CT, NDC, RxNorm)
- Experience with Epic and/or Cerner systems a huge plus
- Awareness and understanding of data privacy, anonymization, data protection, security, data ethics and how to address these in data analyses;
- Strategic and outcomes-oriented; able to balance depth and breadth to demonstrate value;
- Strong technical writing and communication skills along with a collaborative mindset;
- Excellent organizational skills with an ability to embrace change and effectively manage multiple projects and consistently plan work to meet deadlines;
- Experience working with startups is a plus.

## Nature of our work

Our work is fast paced and iterative. We are growing, and we want to support our team members to grow in their skills as well. We are building a team that approaches problems with a diversity of perspectives, values experimentation, and refining our approach based on that experimentation. We work with the full spectrum of healthcare data from tabular data, videos, images, waveforms, etc. If a health system collects it, we might work with it!

If this looks like a partial fit, please reach out, we would love to share more about the work we do for you to understand if it would be a good fit for you.

There is occasional travel for in-person company working days on roughly a quarterly basis.

## Team Benefits

- Professional development days to build your skills
- Collegial work environment
- Academic bent towards inquiry and problem solving but start-up speed and flexibility
- Remote work and flexible hours, need to be available for meetings which we try to keep to a healthy minimum
- Great balance of focus time to work on projects but easy to access team members to discuss issues and work collaboratively
- Dandelion is a mission driven company to improve patient care!

