

# Ben Bubnick

DATA SCIENCE · DATA CURATION · DATA INTEGRATION

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## Summary

Results-driven Data Scientist with a strong background in software engineering and research, bringing extensive experience in the healthcare industry, AI, and cognitive-led transformation programs. Adept at leading cross-functional teams, optimizing processes, and developing innovative data-driven solutions. Strong communicator and mentor with a proven track record of delivering results on time and within budget.

## Technical Skills

<b>Data Processing &amp; Analytics</b>	SQL, PostgreSQL, Hive/Impala, Spark, kafka, Kibana, Gradle, Jenkins
<b>Programming Languages</b>	Python, GoLang, Ruby, Pig, Perl, VB.NET, ASP.NET, C#, C++, FORTRAN
<b>Tools &amp; Frameworks</b>	Azure, Hadoop/HDFS, Postman, Pandas, NumPy, Scikit-learn, XGBoost

## Certifications

2022	<b>Certification</b> , Data Science Professional	IBM
2015	<b>Certification</b> , Data Science	Johns Hopkins University

## Experience

### Merative

Cleveland, Ohio

#### DATA SCIENTIST

Jul. 2022 - Present

Technical lead on AI and Cognitive-led transformation programs.

- Led HIPAA patient deidentification project from 200+ million individual patients for content analytics
- Created testing framework for ETL & implementation processes on new data platform

### IBM

Cleveland, Ohio

#### ADVISORY DATA SCIENTIST

Nov. 2021 - Jul. 2022

Technical lead on Cognitive & AI-led programs using diverse data sources.

- Created AI Surgical Scheduling Optimization tool currently evolving into new offering
- Led delivery on tailored analytics and reporting project for client administrative data
- Developed data migration validation analysis on 150+ billion patient records
- Developed surgical smart case card using combined CNN/RNN model

#### Promotion SENIOR DATA CURATION ARCHITECT

Dec. 2020 - Nov. 2021

Senior member of Data Onboarding & Governance.

- Developed clinical data integration of 100+ billion structured & semi-structured records
- Developed topic modelling project on nearly 6 million semi-structured provider notes data
- Curated 25 pages of AI workflow documentation and mentored new hires in AI tuning process
- Created COVID-19 hospitalization prediction tool with Machine Learning algorithms

#### DATA CURATION ARCHITECT

Nov. 2017 - Dec. 2020

Lead member of Data Onboarding & Governance.

- Managed multi-org enterprise integration with over 70 interconnected data sources
- Developed new data validation and review process that reduced total rework by 25%
- Reduced mapping rework by 45% with through new knowledge-driven initiatives
- Led mentoring program to increase 4,500 billable hours over two year period

## SOFTWARE DEVELOPER

Sep. 2016 - Nov. 2017

Technical delivery lead for client integrations.

- Reduced time spent on knowledge transfer by 80% by rewriting project documentation
- Eliminated need for a \$30,000 annual contract by developing data curation tool
- Reduced cost-per-hire by \$5,210 by re-developing education program

## DATA SCIENTIST

Nov. 2015 - Sep. 2016

Technical delivery lead for client integrations.

- Managed team of 12 remote data science contractors for 36 integration projects
- Created over 125 new knowledge base articles, making up 30% of the team's online content
- Developed automated data integration tool to cut out 28% unnecessary development time

## Explorys

Cleveland, Ohio

### DATA SCIENTIST CONSULTANT

Jun. 2015 - Nov. 2015

Developed data transformations and provided meaning to the data.

## AmTrust Financial Services

Cleveland, Ohio

### SOFTWARE ENGINEER

Mar. 2014 - Jun. 2015

Developed MVC components and web forms for insurance policy software.

## Other Experience

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LORAIN COUNTY COMMUNITY COLLEGE, Elyria, OH, Aug. 2016 - May. 2019, **Adjunct Professor**, Taught physics lab course and astronomy lecture series.

PPG INDUSTRIES, Cleveland, Ohio, Apr. 2012 - Jun. 2013, **Color Scientist**, Created radiative transfer models and cross-instrument correlation software.

CINCINNATI STATE COMMUNITY COLLEGE, Cincinnati, Ohio, Feb. 2011 - Jun. 2011, **Adjunct Professor**, Taught remedial introductory physics course

MIAMI UNIVERSITY, Hamilton, Ohio, Aug. 2010 - Jun. 2011, **Adjunct Professor**, Created and taught introductory physics course; also taught astronomy.

UNIVERSITY OF CINCINNATI, Cincinnati, Ohio, Aug. 2008 - May. 2010, **Teaching Assistant**, Taught physics lab course and astronomy lab course.

UNIVERSITY OF CINCINNATI, Cincinnati, Ohio, Sep. 2006 - Sep. 2010, **Research Assistant**, Gathered data using a 0.8-5.4  $\mu\text{m}$  spectrograph at NASA IRTF.

## Awards

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2018 - 2022	<b>Gold Champion</b> , For 1,477 classroom hours and earning 43 digital credentials	IBM
2018	<b>Lab Services Award</b> , For coordinating internal teams to deliver solutions on time	IBM
2017	<b>Eminence and Excellence Award</b> , For developing a new data curation tool	IBM
2012	<b>Color Lab Automation Award</b> , For expanding data collection and analysis reports	PPG Industries
2010	<b>Mary J. Hanna Fellowship</b> , For STEM students pursuing research-based Masters	UC

## Education

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2010	<b>Master of Science</b> , Astrophysics	University of Cincinnati
2004	<b>Bachelor of Fine Arts</b> , Printmaking	Ohio University