

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

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

Certifications

2022	Certification , Data Science Professional	IBM
2015	Certification , 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 per new-hire employee

SOFTWARE DEVELOPER

Sep. 2016 - Nov. 2017

Technical delivery lead for client integrations.

- Reduced time spent on knowledge transfer by ~80% by reorganizing 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

Created multi-tier MVC components and web forms for commercial insurance policy generating software.

Other Experience

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**, Developed radiative transfer models, spectroscopic profile analysis, 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 μm spectrograph at NASA IRTF.

Awards

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

Education

2010	Master of Science , Astrophysics	University of Cincinnati
2004	Bachelor of Fine Arts , Printmaking	Ohio University