

Joseph Gardner

Translational Bioinformatics Leader | Multi-Omic Data Scientist | Strategic Commercialization Partner

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SUMMARY

Strategic bioinformatics leader with 8+ years of experience translating multi-omic and real world data into actionable insights across wide scientific applications using end-to-end software development and AI. Combines PhD-level technical expertise with business acumen to support portfolio growth, BD diligence, and commercial strategy.

EXPERIENCE

Principal Bioinformatics Scientist/Bioinformatics Platform Manager, Lead R&D

Metabolon

August 2023 - Now, Morrisville, NC

- Conceived and launched two bioinformatics products generating \$3M+ in post-quarter revenue.
- Drove competitive intelligence and market landscape analyses shaping go-to-market strategy, sales enablement, and future roadmap.
- Led and developed a cross-disciplinary team of three PhD scientists (cheminformatics, microbiome, biomarker discovery), resulting in new product releases and internal promotions.
- Served as technical marketing and conference lead, developing case studies and presenting platform capabilities to clients and stakeholders.
- Inherited and stabilized an unscoped informatics platform; achieved 80% bug reduction, 50% performance gain, and tripled delivery velocity within two months using a team of two across a scientific platform of 8 integrated, client-facing Django applications.

Senior Data Scientist

General Metabolics

Sept 2022 - Aug 2023, Boston, MA

- Developed scalable pipelines and benchmarking tools for metabolomic annotation.
- Designed agile reporting frameworks used in client engagements and commercial strategy.
- Managed fee-for-service contracts, improving client satisfaction and delivery efficiency by 50%.

Scientist I/II – Computational Biology

Rheos Medicines

Feb 2022 - Nov 2022, Boston, MA

- Directed translational research strategies and predictive models for inflammatory disease cohorts.
- Built internal platforms integrating omics to support program decisions.
- Delivered strategic proposals for BD and external partner engagement.

Computational Biologist, Program Technical Lead

Joyn Bio

Sept 2019 - Feb 2022, Boston, MA

- Designed and executed metabolic modeling for 4 novel microbial strains.
- Managed CRO relationships and integrated external data into internal strategy.
- Supported technical evaluation of early-stage projects.

EDUCATION

PhD Chemical and Biological Engineering

Colorado School of Mines • Golden, CO

B.S. Chemical and Biological Engineering

University of Colorado Boulder • Boulder

SKILLS

Market & Strategy: Competitive Intelligence, New Product Planning, Market Assessment, Forecasting, Valuation

Bioinformatics & Data Science: Python, R, Metabolomics, Transcriptomics, Cheminformatics, Network Biology, ML

Tools & Platforms: AWS, SQL, Django, JavaScript, Git, Jupyter, Cytoscape, Tableau, Metabase

Other: Scientific Communication, Client Engagement, Sales Enablement, Conference Intelligence, Public Speaking

INVOLVEMENT

Boston, MA • The Centre Food Hub • February 2023 - Present

Served reclaimed foods to food desert communities as city's preferred reclamation provider for historic Haymarket, resulting in over 1000 meals served per week. Active board member.

Boston, MA • Joyn Bio • 2019 – 2022

Community outreach and wildfire remediation.

Denver, CO • Food Bank of the Rockies • 2017 - 2019

Morrison, CO • Aspen Hollow Young Ranchers, Inc. • 2003 - 2016
Outdoor education and animal-assisted therapy.