

Tyler Bryk

Head of Artificial Intelligence

Personal Info

Location

Hillsborough, NJ

Phone

+1 (908) 240-1283

E-mail

ContactMe@tylerbryk.com

LinkedIn

linkedin.com/in/tylerbryk

Website

tylerbryk.com

Skills

Leadership & Team Management

Biotech/Regulatory Domain Knowledge

Ethical & Responsible AI Practices

Natural Language Processing


Data Structures & Algorithms

Software Engineering Best Practices


Influence, Empathy, & Collaboration


Software

Microsoft Azure  Excellent

Python & PySpark  Excellent

TensorFlow & PyTorch  Very Good

Docker & Kubernetes  Very Good

Power Platform & BI  Very Good

Involvement

BioNJ AI & Digital Health Committee

NJ Governor's AI Task Force Subgroup

PTC's Responsible AI Committee

Experience

Current - Global Head of Artificial Intelligence

2024-02 *PTC Therapeutics, Inc. (Warren, New Jersey, USA)*

- Led a multidisciplinary team of AI engineers, data scientists, and domain experts, fostering collaboration and driving excellence in AI research.
- Defined the vision, roadmap, and strategy for AI initiatives, aligning them with business objectives and priorities to achieve competitive advantage.
- Oversaw the development and deployment of AI algorithms and models, leveraging machine learning, NLP, and computer vision techniques.
- Collaborated with cross-functional teams to identify opportunities for AI integration across the value chain, from R&D to commercialization.
- Provided thought leadership on the intersection of AI and biotechnology, representing the company at industry conferences and by contributing to external committees with BioNJ and the NJ Economic Development Authority.

2024-02 - Senior Manager, AI & Machine Learning

2022-11 *PTC Therapeutics, Inc. (South Plainfield, New Jersey, USA)*

- Designed AI-powered digital twin technology for two phase III clinical trials.
- Implemented AI-driven discovery platform to help with early target discovery.
- Created & deployed proprietary generative AI tool across the enterprise.

2022-11 - Manager, Machine Learning Engineer

2021-05 *PTC Therapeutics, Inc. (South Plainfield, New Jersey, USA)*

2021-05 - AI & Machine Learning Project Associate

2018-06 *PTC Therapeutics, Inc. (South Plainfield, New Jersey, USA)*

Education

2016-08 - Stevens Institute of Technology

2021-05 **Master of Engineering in Applied Artificial Intelligence**

Graduate Certificate of Software Design for Embedded & Information Systems
Graduate Certificate of Data Engineering

Bachelor of Engineering in Computer Engineering

Graduate Certificate of Artificial Intelligence in Engineering Design
Scholars: Dean's List, Edwin A. Stevens Scholarship, GPA: 3.80/4.00

Awards / Certificates

2023-12 Zak Darouichi Award for Innovation & Entrepreneurial Excellence

2023-05 Microsoft Azure DP-203 (Data Engineering) Certification

2021-10 ITIL v4 Foundation Certificate