

# Tyler Bryk

Head of Artificial Intelligence

## Personal Info

### Location

Hillsborough, NJ

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### E-mail

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### LinkedIn

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### 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



Python & PySpark



TensorFlow & PyTorch



Docker & Kubernetes



Power Platform & BI



## 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

#### 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