



Associate Director Data Science, NLP " >

Job ID
329029BR
Oct 04, 2021
USA

Job Description

Two companies and one incredible alliance. Novartis and Microsoft have formed alliance to leverage Data & Artificial Intelligence (AI) to develop transformative medicines faster and more cost-effectively for patients worldwide.

Now more than ever, 21st century evolution and innovation in digital technologies, data and advanced analytics is rapidly changing the healthcare environment.

We are Novartis.

Join us and help reimagine medicine!

The AI Innovation Center is the Novartis engine and go-to place for AI Innovation. From research through commercialization, we aim to transform discoveries and development medicines for patients worldwide using data science and AI. The AI Innovation Center is seeking a technical expert in AI to push the frontiers of research, development, and marketing of medicines. You will take on a technical lead role as an individual contributor in the Natural Language Processing (NLP) team of the AI Innovation Center, working at the intersection of research and real-world impact.

This opportunity is located at the Novartis Cambridge (MA) site and will not have the ability to be located remotely. Relocation assistance may be available.

What will you be responsible for (non-exhaustive list) ?

- Innovate and invent NLP methods to address challenges in all aspects of pharma
- Conduct end-to-end NLP analysis of large-scale data related to biomedical domain
- Take a hands-on role and deliver on highly visible projects
- Provide scientific and technical leadership (in an individual contributor capacity) through a proactive, unbossed approach
- Collaborate with cross-functional, cross-geographical, cross-divisional teams across Novartis
- Serve as an ambassador of Novartis Data Science and AI externally
- Co-author papers publish at top-tier conferences and journals
- Keep abreast of latest developments in the field

Diversity & Inclusion / EEO

The Novartis Group of Companies are Equal Opportunity Employers and take pride in maintaining a diverse environment. We do not discriminate in recruitment, hiring, training, promotion or other employment practices for reasons of race, color, religion, gender, national origin, age, sexual orientation, gender identity or

expression, marital or veteran status, disability, or any other legally protected status. We are committed to building diverse teams, representative of the patients and communities we serve, and we strive to create an inclusive workplace that cultivates bold innovation through collaboration and empowers our people to unleash their full potential.

Minimum Requirements

What you'll bring to the role?

- An advanced degree (master's or doctoral) in a computational field, including but not limited to Computer Science, Data Science, and Biomedical Informatics
- 5+ years' experience (if master's level) or 0-2+ years' experience (if PhD level) in developing AI models for NLP
- Deep, expert level Python programming experience
- Natural Language Processing hands-on experience or knowledge in areas such as : information extraction, information retrieval, question-answering, summarization, text classification, generative models
- Machine Learning hands-on experience or knowledge in areas such as: . pytorch, tensor flow, transformer models, BERT, transformers, deep learning, neural networks, recommender systems, Generative Adversarial Networks (GANs), Autoencoders
- Experience with biomedical and pharma data sets, and NLP methods
- Cross-industry experience and previous experience in either pharma, biotech or healthcare
- Proven ability to manage multiple projects, to be accountable for individual & team results
- Ability to build relationships, collaborate and influence across cross functional teams;
- Strong interpersonal, communication, and presentation skills
- This opportunity is located at the Novartis Cambridge (MA) site, and will not have the ability to be located remotely. Relocation Assistance may be available.

In return, you will receive:

Competitive salary, annual bonus, long term incentive for select levels, health insurance, paid vacation/holidays, potential flexible working arrangements, employee recognition scheme.

Why Novartis?

769 million lives were touched by Novartis medicines in 2020, and while we're proud of this, we know there is so much more we could do to help improve and extend people's lives.

We believe new insights, perspectives and ground-breaking solutions can be found at the intersection of medical science and digital innovation. That a diverse, equitable and inclusive environment inspires new ways of working.

We believe our potential can thrive and grow in an unbossed culture underpinned by integrity, curiosity and flexibility. And we can reinvent what's possible, when we collaborate with courage to aggressively and ambitiously tackle the world's toughest medical challenges. Because the greatest risk in life, is the risk of never trying!

Imagine what you could do here at Novartis!

Join our Novartis Network:

If this role is not suitable to your experience or career goals but you wish to stay connected to learn more about Novartis and our career opportunities, join the Novartis Network here:

<https://talentnetwork.novartis.com/network>

Division

CORPORATE

Business Unit

DIGITAL OFFICE

Location

USA

Site

Cambridge, MA

Company / Legal Entity

Novartis Corporation

Functional Area

Data Science

Job Type

Full Time

Employment Type

Regular

Shift Work

No

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