sydTM – Senior NLP / ML Engineer

**Who are we looking for?** Calling all problem solvers, fast learners, and sharp minds. People who provide the answers before the existence of the questions. Detail lovers, error spotters, trail blazers. Those who get excited about achieving the impossible, and pushing for the limits. If this sounds inspiring, we’d love to hear from you!

**syd** from iamYiamis a digital health platform that provides an AI-powered personal health partner. The aim of iamYiam Limited & the iamYiam Foundation is to enhance the health and quality of life of **one billion people by 2025**. Read more [here](https://www.people.iamyiam.com/about) and play video [here](https://www.people.iamyiam.com/).

**THE ROLE:**

The NLP role is one of iamYiam’s key hires due to the emphasis on providing an intuitive medium for member interactions and automate research paper screening for scalability and speed.

**Responsibilities:**

* Build upon syd’s conversational AI platform (implementation of dialogue manager, intent and entity classification, slot filling algorithms)
* Improve the efficiency, performance, and scalability of ML & NLP models – NLU and NLG
* Provide scalability of the conversational AI platform across different languages (expanding from current English and Arabic support)
* Integrate ML & NLP models into existing API frameworks, ensuring efficient performance, integrity and scalability of the platform
* Design and implementation of information validation strategies
* Design and implement NLP models for extraction and processing of scientific text from medical research articles
* Analyse and present work clearly using standard reporting tools (Jupyter notebook)
* Work in an autonomous fashion with a goal-oriented mindset, staying on top of research developments and proposing creative ideas to build a high-quality and forefront platform aligned with the company goals

**Experiences and personal Attributes:**

* Implementation of production ready conversational AI models (dialogue manager, intent and entity classification), with good understanding of the Rasa framework
* Strong ML engineering skills with expertise in the Python programming language and fluency in NLP (tokenization, word embeddings, language models) and machine learning (Tensorflow, PyTorch) tools and libraries
* Hands-on experience with Transformer models (e.g. Bert/GPT/XLNet)
* Strong statistical skills and understanding
* Strong familiarity with SQL databases – experience with PostgreSQL preferred
* Strong knowledge of API development in Python – Flask, Django, FastAPI
* Experience with cloud infrastructure for data pipelining, model training and deployment – experience with AWS preferred
* Experience with Git
* Information retrieval and extraction - Q&A applications
* Ability to use analyse, train, test, validate and present information using data modelling and visualisation tools and techniques (scikit-learn, Matplotlib, seaborn, Plotly)
* Autonomous & Disciplined work ethic
* Passion for creative problem solving
* Work well in a team and with a wide range of people - excellent communicator
* Proactive and able to take the initiative

**Company Benefits:**

* Ownership and responsibility for the future expansion of your area including building a team around you
* Opportunities to be advised by the brightest minds in their fields from Stanford University, University of Toronto, Cornell University, etc.
* Opportunity to publish and share your knowledge / insights via the iamYiam Foundation in schools, universities and care/retirement homes
* Company Prevention Package - including lifestyle analysis , concierge session & genetic analysis
* 20 days vacation
* Remote working part or full time – candidates from around the world welcome to apply!

**Contact: Pls send your portfolio of work samples, cover letter & CV to iamYiam@iamYiam.com**