

About the job

We are a small London startup with the ambition to **change education with ML-powered tutoring**. Our flagship product is a mobile application for teaching English to intermediate and advanced learners.

We're on the verge of solving one of the biggest challenges in education – **making high-quality, personalised learning accessible to everyone**. We are building a **fundamental model for education** - one that can accurately predict student knowledge and orchestrate lessons, adapting to the students needs.

We're looking for a **Lead ML Engineer**, with a proven track record of delivering ML models to production, to **own the ML team** in our growing company.

What you will do

- Build fundamental models for education - solving the ultimate learning task of predicting student knowledge and optimal 'next task'
- Work with a vast amount of unique data - we have data from over 1M language tests, including text and voice data
- Create brand new dictionaries, applicable to any context - right now it's the English language, but in the future it could be other languages or even subjects such as Mathematics
- Analyse large amounts of diverse data - including data from every movie, book, and song
- Work in a cross-functional team and communicate with backend engineers and product managers
- Create new types of tests for language learners to gather more test results, analyse them, and build prediction models based on these results
- Optimise and fine-tune machine learning models for performance, scalability, and accuracy
- Lead our 'AI Powered Education' meet-up in London, building a network of ML specialists

Essential skills

- Experience leading and mentoring other ML engineers
- Complete end-to-end experience - from finding and cleaning data all the way to monitoring models in production
- Experience taking complete ownership of entire ML systems and data pipelines in large-scale production systems
- Experience building automated data pipelines
- Strong understanding of CI/CD pipelines and automation tools for efficient model deployment and monitoring
- Strong understanding of neural networks, CNNs, RNNs, LSTMs, and transformers
- Great knowledge of NLP algorithms
- Expertise in Python and PyTorch

Desirable Skills 🎤

- Can speak, or learning to speak, more than one language
- Experience with reinforcement learning
- Knowledge-sharing experience (tech talks, articles, YouTube videos, etc.)
- Experience using voice data in ML models

What we can offer ✨

- Lead an ML team that will become the leading specialists in ML-powered education
- A real-deal startup adventure: you'll be hopping on a major project while it's still in the works!
- Freedom to suggest, implement, and test ideas
- Unlimited learning & development budget (courses, conferences, books etc.)
- Lunch provided by the company every day
- Regular social events
- 25 days annual leave + public holidays
- Work from our London office

Interview Process 📝

- 3 interviews, which will be mixture of technical and non-technical tasks
- If all the interviews are successful, we'd like to invite you to 2 or 3 paid trial days, or to complete short project remotely with us, to learn what it's like to work at Glite