

Prompt Engineering Contractor for Chatbot Development

Position: Prompt Engineering Contractor / Generative AI Engineer

Company: Cam AI (www.cam-ai.co.uk)

Location: Cambridge, UK (Remote/Hybrid options available)

Rate: £300 - £400 per day depending on skills and experience

Contract: 2 days/week (outside IR35) for initial 2-month term

Start Date: ASAP

About Us:

- Cam AI is a cutting-edge Cambridge University spinout dedicated to harnessing the power of AI to support young people navigating the complexities of online content.
- Over the past 15 months, we have built a robust engineering foundation and are now poised for rapid growth.
- Our unique dataset, consisting of 115,000 real clinical conversations, paired with our psychological rules-based model, provides a solid base for our innovative projects.
- Our overarching mission is to improve the mental health of millions of young people through early, real-time, psychological interventions, using conversational AI.

Role Overview:

- We are seeking a talented and driven Prompt Engineering Contractor to join our team.
- You will play a critical role in integrating our extensive dataset of clinical conversations with the advanced capabilities of Llama 3.1.
- Your work will help power a chatbot designed to offer psychological first aid to young people triggered by harmful yet legal online content.
- This role offers a unique opportunity to make a significant impact on the mental well-being of adolescents through advanced AI technology.

Key Responsibilities:

- Develop and refine prompts to optimize the performance of Llama 3.1 in delivering psychological first aid.
- Integrate our dataset of 115,000 messages between adolescent clients and clinicians into the chatbot.

- Collaborate with our team to align the chatbot's responses with our psychological rules-based model.
- Continuously improve the chatbot's ability to provide empathetic and effective support to users.
- Test and evaluate the chatbot's performance, implementing improvements as necessary.
- Attend meetings at our office in Cambridge once every 2 or 3 weeks.
- Engage in pair programming and code reviews.

Qualifications:

- Proven experience in prompt engineering, particularly with advanced AI models like Llama 3.1.
- Strong understanding of natural language processing (NLP) and machine learning techniques.
- Experience working with large datasets, preferably in a clinical or psychological context.
- Ability to collaborate effectively with cross-functional teams.
- Excellent problem-solving skills and attention to detail.
- Passion for mental health and supporting young people.
- Computer Science or STEM degree.
- A qualification or interest in psychology.
- Proficiency in designing and evaluating prompts for a variety of the latest large language models.
- Experience with retrieval-augmented generation (RAG), in-context learning, and summarization.
- Understanding of fine-tuning LLMs with custom datasets.
- Aptitude for Python programming.
- Knowledge of cloud computing is ideal.

Why Join Us?

- Be part of a pioneering team at the intersection of AI and mental health.
- Work on a project with the potential to positively impact the lives of countless young people.
- Flexible working arrangements with remote/hybrid options.
- Opportunity to collaborate with leading experts in AI and psychology.
- Competitive compensation.

How to Apply:

- If you are passionate about AI and mental health and have the skills and experience we are looking for, we would love to hear from you.
- **Please send your CV and a cover letter detailing your relevant experience to imogen@cam-ai.co.uk**

- We review applications on a rolling basis. Successful applicants will be asked for a one-hour interview (in-person or remote) prior to making an offer. Please note that applicants must be eligible to work in the UK.

Join us at Cam AI and be a part of something truly groundbreaking!

Cam AI is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.