Job Description

Job Title: Physics Annotator/ Physics Expert

1. Scope of position

We're seeking Physics experts whose primary responsibility will be to evaluate and label diverse content types such as audio, video, text, and images. Using the provided task guidelines, they will make informed decisions and assign appropriate labels from given options. These judgements will contribute to training machine learning models, facilitating the project's objectives in the field of Physics and related domains.

2. Skills/Qualifications required

- Written and verbal expertise in the selected field. Minimum B1 level of English proficiency to understand task guidelines and communicate effectively.
- Master's or Ph.D. in Physics or related fields with advanced knowledge of core Physics concepts. Strong foundation in:
    - ➢ Classical Mechanics
    - ➢ Electromagnetism
    - ➢ Thermodynamics
    - ➢ Quantum Mechanics
    - ➢ Statistical Mechanics
    - ➢ Nuclear Physics
    - ➢ Atomic and Molecular Physics
    - ➢ Electronics and Semiconductor Physics
    - ➢ Advanced Mathematical Physics
    - ➢ Magnetism and Magnetic Materials
    - ➢ Gravitation
    - ➢ Optics
    - ➢ Computational Physics
    - ➢ Relativity
    - ➢ Fluid Mechanics
    - ➢ Thermal Physics
    - ➢ Electricity

- 2+ years of teaching experience at College/University/Institutes is mandatory and 5+ years is preferable.

- Must demonstrate a deep understanding of advanced Physics topics, including problem-solving in Mechanics, Electrodynamics, Quantum Physics, and more.
- Prior experience in Physics problem-solving or working in Physics-related projects is an advantage.
- Experience with LaTeX coding and annotation tools would be beneficial.
- Strong logical reasoning, decision-making skills and the ability to multitask.
- Flexibility to work on time-sensitive projects and rotational shifts.
- Basic computer skills including a typing speed of at least 45 words per minute

3. Key responsibilities

- Evaluate complex physics problems and their solutions for accuracy. Provide correct solutions and detailed step-by-step explanations if the provided answers are incorrect.
- Develop and document comprehensive step-by-step solutions for advanced physics problems, ensuring clarity and correctness.
- Understand and use LaTeX for formatting equations and work with spreadsheets for data management and problem-solving tasks.
- Review various types of educational content, including text and diagrams, to ensure they meet the required standards and accurately represent physics concepts.
- Learn and apply client-specific terminology and platform languages for annotation tasks to ensure consistency and accuracy in machine learning datasets.
- Engage in calibration sessions with team members, other locations, or clients to maintain alignment and accuracy in educational content.
- Work with other team members to share best practices and improve overall educational quality.
- Balance working independently with collaborative efforts, managing multiple assignments simultaneously with minimal guidance.
- Communicate clearly with internal and external contacts, providing updates and feedback as required.
- Follow all key performance indicators (KPIs) related tasks to ensure no business impact and maintain high standards of performance.
- Protect the confidentiality of all educational materials and sensitive information related to student data and internal processes.
- Undertake additional tasks that enhance the quality of service provided to clients or contribute to improving KPIs.