



2021-IPR-I-000-018369

Detection of potential online disinformation

<p><b>Position for:</b></p> <p>Trainee</p>	<p>As the science and knowledge service of the Commission, the mission of Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <a href="https://ec.europa.eu/jrc/en">https://ec.europa.eu/jrc/en</a></p> <p><b><u>Short description of activity:</u></b></p> <p>The <i>Text and Data Mining Unit</i> (I3) of the European Commission's <i>Joint Research Centre</i> (JRC) in Ispra, Italy, is looking for a trainee to support the JRC's Disinformation team on a project producing prototype tools for multimodal approaches for the detection of potential online disinformation.</p> <p>The Text and Data Mining Unit aims to develop, provide access to, and apply text and (big) data mining, management and analysis. The Unit also provides: (i) guidance on the use of statistical data mining methods as well as text mining and analysis techniques for information extraction; (ii) one-stop-shop for tools, services and training for the EU institutions and strategic partners to support their needs in the fields of open sources intelligence, media monitoring, information harvesting and analysis as well as innovation monitoring, statistical data mining and visualisation; (iii) set-up of Competence Centres in these areas as appropriate.</p> <p>The trainee will work as part of a small team on a project developing an online tool to give an integrated assessment of the credibility of multimedia information from online sources (news, blogs, social media). The novel software will enable a combined analysis of the contextual, textual and image information, combining features to provide an overall indication of credibility.</p>
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	<p>We are looking for an enthusiastic and skilful trainee who will contribute to develop an evaluation framework for the project. The framework will consist in collecting training and test data, establishing a benchmark used to assess, during the whole project, the evolution of the different components and to assess the final product.</p> <p><b><u>Qualifications:</u></b></p> <p><b><u>Essential:</u></b></p> <p>Required skills are (a) a Master’s degree (or an almost completed degree) in computer science, computational linguistic, engineering, or related areas; (b) good hands on programming skills (ideally in python); (c) taste for prototyping and experimenting novel ideas with concrete outcome (d) good working knowledge of English; (e) ability to work independently and as part of a team.</p> <p><b><u>Advantage:</u></b></p> <p>Useful skills and experiences: Familiarity with any of the following would be an asset: tools and techniques for detection of misinformation, text analysis/processing, social media data, machine learning tools, natural language processing, deepfake detection, GAN image generation and detection, image filtering techniques.</p> <p>In your application, please provide clear information on your skill set, by elaborating on the above-mentioned list of requirements and by listing your level of languages and your computer / programming skills.</p> <p><b><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></b></p> <p><a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees">https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</a></p>
<b>Directorate Unit</b>	Directorate <i>Competences</i> I03 – <i>Text and Data Mining Unit</i>
<b>Duration</b>	5 months
<b>JRC Site Country</b>	Ispra Italy

<b>JRC contact details</b>	<b>For any technical problems with your application, please contact:</b> <a href="mailto:HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu">HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</a>
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