Evaluate the Alternative Texts of Web Images

- Summer Internship at Radix -

About Radix

Radix is an Artificial Intelligence solutions provider based in Brussels. Together with our clients, we deliver AI solutions that have a positive impact on the world.

Our mission is to help our clients grow and to improve people's lives. To deliver on our promise, we focus on the combination of three elements:

- Business: creating high value for our clients, their employees and society as a whole
- People: delivering technology that can truly assist people, not replace them
- AI: automating intelligence to achieve the highest impact

Founded in January 2018, Radix is now a team of 25 people that continues to grow. We work with ambitious clients like GSK, Brussels Airport, Atlas Copco, Flanders Investment and Trade, VDAB, Belga, Macadam, House of HR and more.

Visit our website https://radix.ai for more information.

To apply for this internship, mail to ruben@radix.ai, Machine Learning Engineer at Radix.

The internship

As of this year, Radix will host several summer internships. Such an internship shows you, among other things, how your learning material is applied in the field and what the best practices are when working on a project, this while being supervised by field experts. Aside from that, it allows you to get a glance of how a growing startup operates from the inside and how other fields such as *Marketing* and *Sales* contribute to this.

About the project

One of the principal goals of Machine Learning is to be used as an auxiliary tool to empower people's abilities. This is, as you might've guessed by our slogan *"Superpowering people with Artificial Intelligence"*, one of the core focus points within Radix. One way to fulfill this goal is to help those in need. In this internship, you will evaluate the alternative texts added to web images, on which blind people rely in order to have a pleasant web experience. This is done by *embedding* both the image as its corresponding text in order to see if they match.

What you will learn

For this project, you'll learn to combine two different models: a computer vision and language model. This interaction alone brings a significant challenge with it, since the models have to be trained in such a way that they can *communicate* with each other in a meaningful way. As an additional challenge, you'll learn to incorporate multilingual data, since the alternative text of images published on Dutch websites is regularly written in either Dutch of English.

Your profile

- You are in your third Bachelor or first Master in Computer Science or a related field
- You are fluent in English, both written and verbally
- You have strong analytical skills and are familiar with the basics of machine learning
- You know your way around in Python
- Familiarity with statistical Python tools such as Spacy, TensorFlow, or Torch is a plus
- Knowledge in NLP or related field is a plus
- You are eager to learn and are open to be challenged

To apply for this internship, mail to ruben@radix.ai, Machine Learning Engineer at Radix.