

# AI intern vacancy: neural network explainability

We are DuckDuckGoose, a startup focused on deepfake detection. We aim to realize a world where everyone can believe what he or she perceives. We are looking for a (graduation) trainee AI.

We provide deepfake detection products and services to the forensic industry. Our software is used by the Netherlands Forensic Institute and the National Police, among others. In addition, we want to grow into the digital identity verification sector in the short term.

In addition to making a prediction whether image material is a deepfake or not, we also provide insight into what our algorithm bases this decision on: the so-called *explainability module*. This explainability module is central to your graduation internship.

## Job description

As an intern, you will work very closely with the founders of DuckDuckGoose to improve the quality of the deepfake detection product. Within this internship, you will research the current start-of-the-art of explainability of neural networks, come up with improvements where possible and find out how this can be applied to deepfake detection and our insight module. The exact details of your internship will be done in consultation with your university supervisor. Supervision from DuckDuckGoose will be by our CTO Joris Mollinga.

## What we offer

- Impact: our product is used in various places to make a positive impact. You can contribute greatly to this.
- Working in a dynamic start-up environment where you won't be bored for a day.
- A responsible position with a lot of freedom and flexible working.
- A workplace at our office in YES!Delft in a young and energetic team.
- Part-time or full-time in consultation.
- Internship compensation is negotiable.

## About you:

- You are currently doing an MSc in computer science, data science, artificial intelligence or something similar.
- Experience with Python programming and demonstrable experience with the use of machine learning libraries such as PyTorch or Tensorflow. Experience in the field of computer vision is a plus.
- Good English communication skills.
- Looking for an internship of at least four months.

**Interested, looking for information or would you like to get acquainted?**

Contact Joris at [joris@duckduckgoose.nl](mailto:joris@duckduckgoose.nl).