Semantic Segmentation Researcher

CONTRACT : *Permanent (French CDI directly with our client)*

LOCATION : *Full remote*

THE COMPANY

COMPANY : Start up that has created a collaborative platform in order to simplify interactions between the stakeholders of a newly build housing construction (buyer/promoters and PM/builders)

TEAM : 11 employees (developers, 3D Manager, PMO)– International team based remotely all over the world (France, Canada, Croatia, Serbia, UK, Pakistan). 1 stand-up meeting/day. Full remote. Flexible hours.

PROJECT : **Transferring real-time data coming from the collaborative platform, to traditional data used by architects and housing softwares**

YOUR ROLE TO PLAY

You will be part of an international and technology passionate team, who are designing **a game changing** platform that will save a precious amount of time for **the house building sector** and guarantee customers satisfaction.

Your role will be to create **a mathematical and machine learning based tool**, that will enable this cutting-edge platform to function with the more classical software used in the industry.

Your assignments in this project will be:
- Participate in the **creation of a tool** that changes the way we build new flats;
- Create **research road maps** with technical guidelines and budgeting;
- Stay up to date with **state-of-the-art semantic segmentation** technology;
- Conduct research that will lead to the **improvement of the algorithms** currently being used;
- Develop **quantitative benchmarks** that will help evaluate quality of segmentation algorithms;
- Proactively seek opportunities to improve various aspects of our business by applying a **scientific approach.**

YOUR PROFILE

YOUR DIPLOMA(S)

- **PhD** mandatory
- You haven't had **any permanent contract job post-PhD**

YOUR PROFESSIONAL EXPERIENCE

- **3-year thesis in applied mathematics or related field**

YOUR COMPETENCES

- **Very strong mathematical and geometrical skills**
- **Programming languages** in Go or Python
- **Numerical analysis**
- **Machine Learning and semantic segmentation**
- **Geometry** (regression)
- **Computational Complexity theory**

YOUR PERSONALITY

You are passionate about **mathematics** and you would like to **apply your research** on a unique and innovative project that can revolutionise an industry.

You are **creative**, **self-motivated** and **curious**. You are always willing to **push your boundaries** and go beyond what has already been done before. You have an appetite for **learning and staying ahead of the curve.**

You are **meticulous** and **independent** on your projects, but always keen to work in a collaborative way, within a human-sized team.

You are keen to join a **fast-growing start-up developing a disruptive collaborative platform in the building industry.**

FI GROUP – WHO ARE WE ?

FI Group are an international group expert in R&D tax. We offer to our clients a full support on innovation (CIR, Innovation Management, grants, etc.).

Fi Group also support their clients in the acquisition of R&D talents, by headhunting them.

We are not an engineering service company. We are just supporting candidates and clients in their recruitment processes. All the candidates are recruited by a final client, on a permanent contract.

Interested ? Send your application to fimatch@fi-group.com