Announcement for a Data Intern

ECF is looking for a motivated person to join its policy team as an intern to collect and analyse data about cycling infrastructure in Europe.

About the European Cyclists’ Federation (ECF)

- We are the single European umbrella federation of member-based civil society organisations advocating and working for more and better cycling.
- We promote cycling as a sustainable and healthy means of transport and leisure.
- With nearly 70 member organisations from over 40 countries, we harness the power of European cycling movements as the only voice at the pan-European level.
- We are based in Brussels and our roots are in Europe, but the challenges we face are global, and we are ready to meet them as the world’s largest and best-known cyclists’ advocacy organisation.

Internship description

We are looking for someone to continue work on an online dashboard presenting OpenStreetMap data about cycling infrastructure in Europe (https://datastudio.google.com/s/iBTgFfQUDBO), and to help produce reports that strengthen ECF’s ability to influence EU policies with robust, evidence-based advocacy to unlock more and safer cycling in Europe.

Working with the Infrastructure Policy Officer as your line manager, your specific responsibilities would be to:

- Optimise and further develop Python code extracting and structuring cycle infrastructure data from OpenStreetMap
- Develop dashboards and/or reports on cycling infrastructure length by country/region/city, type of infrastructure and other parameters
- Contribute to analyses and reports that help us advocate for strong cycling content in EU policies, such as the revision of the Trans-European Transport Network (TEN-T) and how EU countries implement the Road Infrastructure Safety Management Directive
- Co-create and test a bicycle network analysis methodology for the European context
- Participate in general policy tasks, such as writing articles for our website, helping prepare presentations, meetings and events.

What do we offer?

You will have a place in Europe’s and the world’s largest pro-cycling federation to promote cycling as the healthiest, most climate-friendly and efficient means of transport and leisure. You will work in an office located in the heart of Brussels full of friendly, passionate and international colleagues. There are a lot of opportunities to learn and to demonstrate creativity, initiative, research and management skills as well as to work on community building, advocacy and cycling-related issues while building your cycling network.
We offer a **full-time, six-month internship** paid approximately €860 monthly. This is a professional internship agreement according to Belgian law, called *Convention d'immersion professionnelle* (FR) or *Beroepsinlevingsovereenkomst* (NL). It includes a clear description of the tasks and the expected competences acquired by the end of the internship.

Candidates must be **eligible to work in the EU** and able to live in Belgium during their internship. COVID-19 restrictions permitting, we will ask you to work at least two days per week from the ECF office. We are eager for a candidate to start **as soon as possible**.

**Who are we looking for?**

**Essential requirements:**
- Python programming language (if you have a strong knowledge of other programming languages and are willing to learn Python fast, you are also welcome to apply)
- Familiarity with OpenStreetMap (OSM) and its data structure
- Attention to detail, time management skills
- A proactive attitude and willingness to learn
- Ability to work independently
- Ability to document and present your work
- Interest in cycling infrastructure
- Commitment to the aims of ECF and our ambition to create all the necessary conditions to have more cycling in Europe
- Fluent English
- Legal right to work in Belgium

**Desirable requirements:**
- Familiarity with Anaconda, Visual Studio Code, Git
- Familiarity with Geographic Information Systems (we use QGIS)
- Data analysis and presentation skills
- Previous experience with a non-governmental organisation

**How to apply?**

Please send us your **CV**, a **short cover letter** and a summary of your **exercise** (details below) in **one** PDF file by email to hr@ecf.com with the subject line, "**First Name Last Name – Data Intern**" by Tuesday, 26 July 2022. Candidates will be interviewed on a rolling basis. The chosen candidate will ideally start in September 2022 or as soon as possible.

Here are the details of the **exercise** we would like you to submit:
- Write a Python script extracting OpenStreetMap data (using, for example, osmnx or pyrosm packages) about cycling infrastructure network in your city or another of your choice. You may analyse, for example, the length of cycling infrastructure in the city by borough and type, or percentages of one-way streets that permit contraflow cycling. The output can be presented in the form of a table, a chart, or a map. Please include the code and the necessary information to run it (for example, Anaconda environment .yml file) or provide a link to it (for example, in Google Colab).

Interviews will be conducted online. Only shortlisted candidates will be contacted.
Equal opportunity

ECF is an equal opportunity employer and encourages applications from all qualified candidates irrespective of racial or ethnic origin, opinions or beliefs, gender, sexual orientation, health or disabilities.