

## R&D Data Scientist (full-time)

TRAILME is the #1 app & platform that provides real-time information during a trail running event. We strive to enhance trail running experiences and connect the trail running community with technology. [www.trailme.com.hk](http://www.trailme.com.hk)

### Role, Objective and Challenge

TRAILME is using IoT devices (beacons) to digitalize outdoor environments (e.g., trails). The role is to research and develop a sophisticated and advanced analytic framework and toolset – including AI and Machine Learning based routines to optimize the IoT devices and their usage through mobile phones in outdoor. The objective is smarter usage, increased detection rates and robust life-time optimizations/adoptions.

### Key tasks

Research and develop a complete analytic concept and advanced solution to monitor – lifetime durability and sustainably of IoT devices in outdoor. Develop guiding principles to improve overall scan detection results. Establish best practice and developed tools, dashboards, and analytic routines based on big data (from our database or external data).

The specific TRAILME platform component and solution should

- Provide analytic dashboards with event results, device performances, runner's status.
- Predict outages and anomaly's in the usages of IoT in outdoor.
- Configuration optimizations (on beacons as on mobile phones).
- Combine external information, e.g., weather conditions.
- Usage of pattern recognition for configuration optimizations.

### Outcomes

- Analytic dashboard, reports, and predictive trends (using Tableau business intelligence software)
- Machine learning routines and AI based improvement process
- pattern recognition routines and configuration optimizations
- Integration with IoT device asset management solution (project 2)

### Knowledge

- Fundamentals in statics and report generation
- Creating meaningful insight out of data

### Competencies

- Being systematic and structured
- Capable to work with numbers and can abstract complex data sets
- Good in visualization of facts and numbers
- Self-driven and curious



### Experiences

- Dashboard and reporting development.
- Small-medium sized project management
- Vendor and partner management, e.g., working with universities, HW suppliers.

### IT-Skills

- Use of basic office SW products
- Tableau (MANDATORY) & ETL products
- AI and ML analytic tools and services

### The extra mile in outdoor

- Outdoor passionate and capable to work partially outdoor

### Other requirements

- Bachelor's or master's degree (MANDATORY) – related to Science, Technology, Engineering and Mathematics
- Good English
- Flexible work arrangements

### Key benefits

- Engage in a high innovative IoT R&D startup and growing company
- Bring your passion for outdoor sport to your workplace
- Learn from Senior Executives to run a startup
- Sponsored event participations
- Flexible office, WFH and outdoor workplace and time arrangements

### Contract

- Full-time

### For further information, see

- [www.trailme.com.hk](http://www.trailme.com.hk)
- <https://youtu.be/WKh1ocav4HE>

### Candidates

- Submit your resume
- Explain your motivation why you apply for TRAILME
- What is commitment you will bring with you
- Interview

Contact: [careers@uhey.com.hk](mailto:careers@uhey.com.hk)

### Application Method

- Email / interview

