R&D Software Engineer (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

Role, Objective and Challenge

TRAILME is digitalizing and transforming outdoor environments and events (e.g., trails and trail running). The role is to research and develop an innovative mass participation platform for outdoor (B2B) by the integration of core technologies, like IoT beacon, geofencing, GPS, wearables, and RFID technologies to provide safety, timing and tracking services. The objective is to enable mass participation and fan engagement while utilizing AI.

Key tasks

Research and develop out of each core technology applicable solutions for the specific requirements and integration in outdoor usage to provide (online and offline) precise location, safety tracking, navigation and orientation guidance and performance data for the user of our platform.

The specific tasks are

Build a geofencing mapping solution (online and offline) to provide safety status

Provide turn-by-turn navigation instructions on given courses

Integration of RFID for precise timing at critical locations

Provide deep data information to be used for machine learning and performance analytics

Outcomes

High-quality mobile App/Web/platform solutions (stability, usability, functionality)

System and architecture documentation

Knowledge

- Geofencing and GPS technology
- BLE and IoT Beacon technology
- RFID technology
- iOS and android OS mobile development, ideally with location based and geofencing knowledge.

Competencies

- Being systematic and structured
- Capable to describe situations in detail
- Good in observation
- Self-driven and curious
- Navigation on maps in outdoor

Experiences
- Agile software development / UI/UX – user journeys
- Small-medium sized project management
- Vendor and partner management, e.g., working with universities, SW suppliers.

IT-Skills
- Mobile App / Web development – ideally in wordpress
- Development in VUE framework, Swift, Kotlin, ReactJS, NodeJS
- AWS cloud services (e.g., EC2, S3, ..)
- Usage of GitLab
- Mapbox

The extra mile in outdoor
- Outdoor passionate

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 sports 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
 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

Application Method
- Email / interview