



H3 Dynamics enables Advanced Air Mobility with a three pronged approach that starts with digitization, leading to solutions around autonomous operations, enhances flight autonomy with hydrogen propulsion. The company scales globally over time from small drone to large aircraft platforms, starting with immediate markets.

H3 Zoom.AI operates as the digital services business subsidiary and third technology pillar of H3 Dynamics. H3 Zoom.AI applies AI and Machine Learning to detect anomalies or defects across large quantities of images or other sensory data collected by various types of robots, including drones.

Positions:

- Research and Development Support Engineer.
- Front-end Web Developer.

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**Job title:**

Junior R&D Support Engineer

**Description:**

We are looking for a Junior R&D Engineer to support ongoing projects and clients to research and prototype on different products related to route planning, data analytics, and/or image and video processing, in the area of robotics and autonomous inspections.

**Job description:**

- Work with the team to identify valuable research questions.
- Develop proprietary solutions for ongoing projects and clients.
- Implement research prototypes for evaluation and testing.

**Work experience / Skills required:**

- Background in computer vision.
- Background and understanding of optimization and linear algebra.
- Experience with SLAM techniques desirable.
- Experience with point clouds and 3D mesh models desirable.
- Experience in robotics (UAVs and AGVs) desirable.
- Experience in machine learning algorithms for vision problems (including deep learning) desirable.
- Proficient with Python and C++ programming.
- Experience with relevant open-source libraries, e.g. OpenCV.
- Good communication and teamwork skills.
- Great attention to detail.
- Organizational skills.

## Job Description

We are looking for a Front-End Web Developer who is motivated to work with 3D Map platforms. Responsibilities will include translation of the UI/UX design to actual code that will produce visual elements of the application. You will work with the R&D team, taking an active role on both sides and defining how the application looks as well as how it works.

## Responsibilities

- Develop new user-facing features
- Build reusable code and libraries for future use
- Ensure the technical feasibility of UI/UX designs
- Optimize application for maximum speed and scalability
- Collaborate with other team members and stakeholders

## Skills And Qualifications

- 2+ years of experience in Front-End development
- Proficient understanding of web markup, including HTML5, CSS3
- Basic understanding of server-side CSS pre-processing platforms, such as LESS and SASS
- Proficient understanding of client-side scripting and JavaScript frameworks (React), including jQuery
- Basic understanding of Three Js, Webpack, Google Maps Platform
- Good understanding of asynchronous request handling, partial page updates, and AJAX
- Proficient understanding of code versioning tools, such as **Git / Mercurial / SVN**
- Good understanding of SEO principles and ensuring that application will adhere to them.