

Label Startup

Startup
Tunisia



PFE Internship Book

2024/2025

ALDER in a nutshell

ALDER is a **mission-driven** Startup.

We're the **first** company in Africa and the MENA region to **quantify, tokenize, and monetize soil carbon sequestration** from sustainable farming practices. We're leading the African **decarbonization** movement and **empowering farmers** with financial incentives to adopt sustainable agriculture, making them essential contributors to climate action.



Why do we do this ?

13 CLIMATE ACTION



Alder removes CO₂ from the air and permanently stores it

8 DECENT WORK AND ECONOMIC GROWTH



Alder creates a second sustainable revenue stream for farmers

15 LIFE ON LAND



Alder preserves biodiversity by enhancing soil health

17 PARTNERSHIPS FOR THE GOALS



ALDER helps industries decarbonize through the purchase of carbon credits.

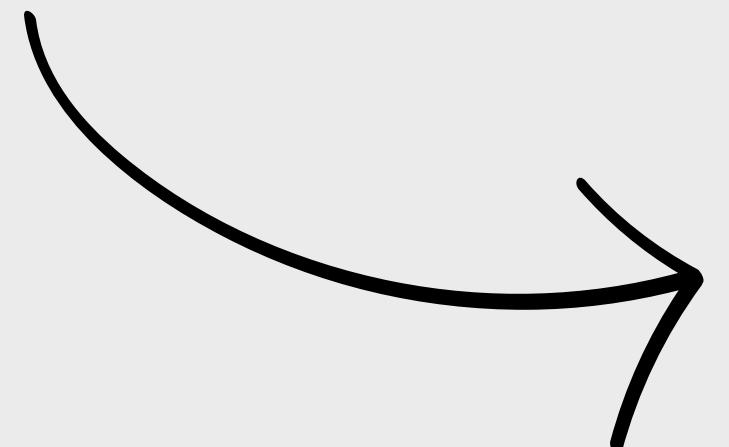
You can Join us NOW

Internships availabe:

- 1. Full Stack Web Developer Intern**
- 2. Data Scientist Intern**
- 3. Agronomist Intern**
- 4. Environmental Scientist Intern**
- 5. UI/UX Designer Intern**
- 6. Digital Marketing Intern**
- 7. Business Development Intern**

How to APPLY

1. Choose your Topic
2. Fill out this Form



1. Full Stack Web Developer Intern

About the Role:

ALDER Green Solutions is looking for two passionate Full Stack Web Developer interns who will play a key role in developing the digital platform that powers our mission. You'll work on creating an interactive, user-friendly interface and integrating smart contracts for our carbon marketplace.

Responsibilities:

- **Frontend Development:** Build responsive, user-friendly interfaces based on UX/UI designs using ReactJS.
- **Database Design:** Design and implement an SQL database to support platform functionalities.
- **Blockchain Integration:** Use Ether.js to connect software components with our smart contracts on the Kyoto Blockchain (EVM-compatible).
- **Data Connectivity:** Ensure smooth data exchange by linking the platform with an SQL-based database.

Requirements:

- **Final-year student or recent graduate in Computer Science, Engineering, or related fields.**
- **Proficiency in ReactJS.**
- **Basic knowledge of Ether.js and Web3 frontend development.**
- **Collaborative spirit, strong communication skills, and a “let’s do it” mindset.**

2. Data Scientist Intern

About the Role:

ALDER is looking for a Data Scientist Intern specializing in remote sensing and data modeling. In this role, you'll play a key part in developing algorithms that **turn satellite data into actionable insights on soil carbon sequestration**, supporting our mission to make sustainable agriculture profitable and impactful.

Responsibilities:

- **Remote Sensing Analysis:** Utilize satellite imagery and spatial data to assess and quantify soil carbon levels.
- **Algorithm Development:** Build models that translate satellite data into precise soil carbon values.
- **Interdisciplinary Collaboration:** Work closely with agronomists and environmental scientists to ensure data accuracy and model relevance.

Requirements:

- **Final-year student or recent graduate in Data Science, Environmental Science, or Geoinformatics.**
- **Proficiency in Python or R, preferably with experience in remote sensing tools such as Google Earth Engine.**
- **Strong analytical mindset and a commitment to advancing sustainable practices.**

3. Agronomist Intern

About the Role:

We are looking for an Agronomist Intern who is passionate about **soil health** and **sustainable agriculture**. In this role, you will work on analyzing and modeling soil organic carbon (SOC) to support ALDER's efforts in carbon sequestration.

Responsibilities:

- **Soil Carbon Research:** Conduct soil studies to understand carbon dynamics and enhance our carbon sequestration model.
- **Data Analysis:** Assist in interpreting soil carbon data and integrating insights into ALDER's carbon measurement methodology.
- **Modeling Support:** Collaborate with environmental scientists and data experts to refine our soil carbon models.

Requirements:

- **Final-year student or recent graduate in Agronomy, Soil Science, or Environmental Science.**
- **Knowledge of soil science and carbon sequestration.**
- **Strong research skills and interest in sustainable agriculture.**

4. Environmental Scientist Intern

About the Role:

ALDER Green Solutions is seeking an Environmental Scientist Intern specializing in **Soil Organic Carbon (SOC) research**. You will contribute to R&D efforts focused on building our proprietary SOC measurement methodology.

Responsibilities:

- **R&D on SOC:** Conduct research on SOC dynamics in Tunisian soils to support carbon sequestration modeling.
- **Data Collection and Analysis:** Collect and interpret SOC data, working closely with agronomists and data scientists.
- **Collaborative Development:** Provide insights for building accurate, scalable models that support ALDER's sustainable agriculture initiatives.

Requirements:

- **Currently pursuing or recently graduated with a degree in Environmental Science or a related field.**
- **Strong foundation in soil carbon science and environmental data analysis.**

5. UI/UX Designer Intern

About the Role:

We are seeking a creative UI/UX Designer Intern to bring ALDER's digital platform to life. **Your work will shape how users interact with our carbon marketplace**, helping farmers and businesses engage with carbon credits and sustainable agriculture.

Responsibilities:

- **UX/UI Design:** Create intuitive, visually engaging designs based on user feedback and project requirements.
- **Prototype Development:** Develop prototypes and wireframes that guide platform development.
- **Collaboration:** Work closely with developers to ensure seamless integration of design elements

Requirements:

- **Final-year student or recent graduate in Design, Human-Computer Interaction, or related field.**
- **Proficiency in design tools like Figma, Adobe XD, or Sketch.**
- **A portfolio showcasing UI/UX design skills.**

6. Digital Marketing Intern

About the Role:

We are looking for a creative and motivated Digital Marketing Intern to help drive our social media presence. You'll play a key role in building brand awareness, engaging our community, and **sharing our story of sustainable agriculture and carbon sequestration with the world.**

Responsibilities:

- **Social Media Management:** Plan, create, and publish engaging content on LinkedIn, Facebook, Instagram, and other social platforms.
- **Content Creation:** Craft posts, stories, and updates to showcase ALDER's mission, achievements, and the positive impact of sustainable agriculture.
- **Community Engagement:** Interact with followers, respond to messages, and build relationships within the environmental and agritech communities.
- **Analytics & Strategy:** Monitor social media performance and use insights to optimize content and engagement strategies.

Requirements:

- Strong writing and storytelling skills with a passion for sustainability and technology.

7. Business Development Intern

About the Role:

We are looking for a motivated Business Development and Funding Specialist who can identify and secure growth opportunities, strategic partnerships, and funding sources to help ALDER expand its impact.

Responsibilities:

- **Opportunity Scouting:** Research grants, funding programs, and strategic partnerships aligned with ALDER's mission.
- **Partnership Development:** Cultivate and manage relationships with research institutions, government agencies, NGOs, and industry leaders.
- **Market Research:** Conduct research to track emerging trends in agritech and carbon markets, contributing to ALDER's growth strategy.
- **Internal Coordination:** Collaborate with the team to align funding needs with ongoing projects and report progress.

Requirements:

- Education: Bachelor's/Master's in Business or related fields
- Skills: Strong communication (English/French), research, and organizational skills.



Be Part of the Solution

Drive Global Decarbonization with ALDER

Apply Now!

Click here !

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www.alder.earth

