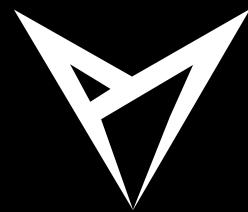


Pixii Motors

# PFE BOOK

2025





## > About Us

At Pixii Motors, we're reimagining urban mobility to build greener, more resilient, and inclusive cities. Our pioneering Future Mobility Solution combines intelligent electric scooters with an advanced ecosystem to elevate urban life while making a positive impact on the planet. Driven by innovation, our mission is to redefine mobility for the next generation.

We're seeking enthusiastic, results-driven individuals to join our team and be part of this exciting journey. If you're eager to shape the future of mobility and thrive in a fast-paced, dynamic environment, we'd love to connect with you.



# > Available PFE Internships

Location	Duration
Pôle Technologique EL GHAZELA The DOT Lac2	6 months
<b>Business Development/Sales</b> <i>Page 4</i>	<b>Quality Management System</b> <i>Page 5</i>
<b>Financial Management</b> <i>Page 6</i>	<b>Community Manager</b> <i>Page 7</i>
<b>Graphic Design</b> <i>Page 8</i>	<b>Mechanical Engineer</b> <i>Page 9</i>
<b>Data Science</b> <i>Page 10</i>	

# > Business Development/Sales

Pixii Motors is looking for a motivated Business Development / Sales Intern to support our expansion and sales strategy in the electric mobility market. This PFE project offers hands-on experience in business growth, client engagement, and strategic sales efforts within the rapidly evolving smart mobility sector.

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## Key Responsibilities

- Contribute to the development and implementation of sales strategies to drive market growth.
- Identify and engage potential clients through research and proactive outreach.
- Assist in creating sales presentations, proposals, and preparing for client meetings.
- Analyze market trends and customer needs to identify new business opportunities.
- Collaborate with marketing to generate and follow up on leads.
- Support sales reporting, performance analysis, and data-driven decision-making.

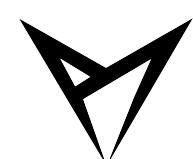
## Learning Outcomes

- Gain insight into strategic sales and client relationship management.
- Develop skills in market research and business development for the mobility sector.
- Exposure to strategic planning and decision-making in a startup environment.

## Qualifications

- Currently enrolled in a Master's program in Business Administration, Marketing, or a related field.
- Excellent communication and interpersonal skills.
- Strong interest in sustainability and the electric vehicle market.
- Analytical mindset with proficiency in Microsoft Office and CRM tools.

Send your application to  
[anis.fekih@pixiimotors.com](mailto:anis.fekih@pixiimotors.com)



# > Quality Management *(SMQ - Quality Management System)*

Join Pixii Motors as a Quality Management Intern and contribute to developing and maintaining our Quality Management System (QMS). This PFE project focuses on product quality, quality control process implementation, and preparing for ISO certification in a high-tech, electric mobility environment.

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## Key Responsibilities

- Support the development and refinement of the company's QMS in alignment with ISO standards.
- Participate in quality audits and help implement corrective actions and preventive measures.
- Analyze product quality data to identify trends and improvement opportunities.
- Work closely with production and engineering teams to integrate quality controls.
- Prepare quality management documentation and ensure regulatory compliance.

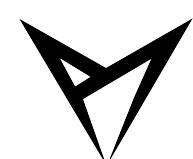
## Learning Outcomes

- Acquire practical knowledge of ISO standards and quality management systems.
- Gain experience conducting quality audits and implementing improvement strategies.
- Develop insight into quality processes specific to the automotive and electric vehicle industries.

## Qualifications

- Currently enrolled in a Master's program in Quality Management, Industrial Engineering, or a related field.
- Familiarity with quality control methodologies and ISO standards.
- Detail-oriented with strong analytical and problem-solving skills.
- Proficient in data analysis and technical writing.

Send your application to  
[wafa.dhifi@pixiimotors.com](mailto:wafa.dhifi@pixiimotors.com)



# > Financial Management

We're offering a Financial Management internship where you'll work on key financial projects alongside our finance team. This PFE project includes financial planning, performance analysis, and support for funding initiatives, offering valuable experience in strategic finance within an innovative startup.

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## Key Responsibilities

- Assist in the preparation of financial reports, including budgeting, forecasting, and variance analysis.
- Support funding activities by developing financial models and preparing investor presentations.
- Analyze financial data to provide insights and recommendations for cost optimization.
- Ensure compliance with financial regulations and contribute to the implementation of internal controls.
- Collaborate with various departments to align financial strategies with company objectives.

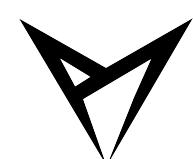
## Learning Outcomes

- Hands-on experience in financial planning and analysis in a startup setting.
- Knowledge of the fundraising process and investor relations.
- Understanding of financial compliance and risk management in the electric mobility sector.

## Qualifications

- Currently enrolled in a Master's program in Finance, Accounting, or a related field.
- Strong analytical and numerical skills.
- Proficiency in Microsoft Excel and financial modeling.
- Interest in the startup environment and the electric vehicle industry.

Send your application to  
[wafa.dhifi@pixiimotors.com](mailto:wafa.dhifi@pixiimotors.com)



# > Community Manager

Pixii Motors is looking for a proactive and creative Community Manager Intern to build and engage our community of users, enthusiasts, and stakeholders in the electric mobility sector. This internship provides the opportunity to develop communication strategies, create engaging content, and foster a vibrant online presence for our brand as we redefine urban mobility.

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## Key Responsibilities

- Develop and implement community engagement strategies across social media channels.
- Create, schedule, and manage content that resonates with our audience, including posts, stories, and updates.
- Monitor and respond to community interactions and inquiries, fostering positive engagement.
- Collaborate with the marketing team to support brand campaigns and initiatives.
- Gather community insights and feedback to help inform product development and customer experience improvements.
- Assist in organizing and promoting events, webinars, and other community-building activities.

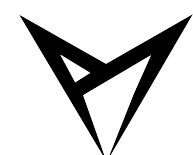
Send your application to  
[anis.fekih@pixiimotors.com](mailto:anis.fekih@pixiimotors.com)

## Learning Outcomes

- Gain hands-on experience in community management and social media strategy.
- Develop skills in content creation, audience engagement, and brand communication.
- Understand how to build a loyal community and foster brand advocacy in a startup environment.

## Qualifications

- Currently enrolled in a Bachelor's or Master's program in Marketing, Communication, Public Relations, or a related field.
- Strong written and verbal communication skills.
- Familiarity with major social media platforms (e.g., Instagram, LinkedIn, Twitter).
- Creativity and an understanding of social media trends.
- Passion for sustainable mobility and the electric vehicle industry.



# > Graphic Designer

Pixii Motors is seeking a talented and imaginative Graphic Designer Intern to support our brand's visual identity and marketing efforts. This internship offers a unique opportunity to create compelling visuals that communicate our vision for sustainable, intelligent urban mobility. You will work closely with our marketing and product teams to design eye-catching content that resonates with our community and reinforces Pixii Motors' innovative brand.

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## Key Responsibilities

- Assist in creating digital and print materials, including social media graphics, website visuals, presentations, and marketing collateral.
- Collaborate on design concepts for campaigns, product launches, and promotional events.
- Ensure consistency in brand aesthetics across all visual content.
- Support the development of infographics, illustrations, and visual assets that explain complex concepts.
- Contribute ideas to enhance our brand's visual presence and keep up with design trends in the electric mobility sector.

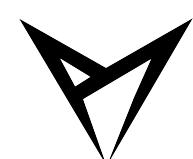
## Learning Outcomes

- Hands-on experience in graphic design within a dynamic startup environment.
- Development of skills in visual storytelling, brand consistency, and cross-functional collaboration.
- Opportunity to build a diverse portfolio with real-world projects that make an impact on urban mobility.

## Qualifications

- Currently enrolled in a Bachelor's or Master's program in Graphic Design, Visual Arts, or a related field.
- Proficiency in design software such as Adobe Creative Suite (Photoshop, Illustrator, InDesign).
- A strong eye for detail, layout, and typography.
- Creativity and an understanding of branding principles.
- Interest in sustainability and the electric vehicle industry.

Send your application to  
[anis.fekih@pixiimotors.com](mailto:anis.fekih@pixiimotors.com)



# > Mechanical Engineer

Pixii Motors is seeking a detail-oriented Mechanical Engineer Intern to contribute to the design and development of our intelligent electric scooters. This internship will provide hands-on experience with product development, prototyping, and testing within the electric mobility sector, offering the chance to apply engineering skills to a real-world project aimed at revolutionizing urban transportation.

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## Key Responsibilities

- Assist in the design and optimization of scooter components, focusing on safety, durability, and energy efficiency.
- Support the prototyping and testing processes to validate design specifications and functionality.
- Collaborate with the engineering team to identify and solve mechanical challenges.
- Contribute to material selection, manufacturing processes, and quality control efforts.
- Document engineering processes and prepare reports on findings, improvements, and recommendations.

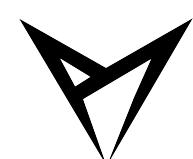
## Learning Outcomes

- Practical experience in mechanical design and product development within an innovative startup.
- Skills in prototyping, testing, and problem-solving for electric mobility solutions.
- Insight into the engineering and manufacturing processes specific to electric vehicles.

## Qualifications

- Currently enrolled in a Bachelor's or Master's program in Mechanical Engineering or a related field.
- Familiarity with CAD software (e.g., SolidWorks, AutoCAD) and basic engineering principles.
- Analytical skills and attention to detail.
- Passion for sustainable engineering and the electric vehicle industry.

Send your application to  
[yakin.hamdi@pixiimotors.com](mailto:yakin.hamdi@pixiimotors.com)



# > Data Science

Pixii Motors is seeking a Data Science Intern to contribute to the development of an Adaptive Power Delivery System. This innovative system will dynamically adjust motor output based on real-time conditions, rider behavior, and terrain, aiming to enhance performance, improve battery efficiency, and deliver a smoother, more responsive riding experience. This internship provides a unique opportunity to work at the intersection of data science, machine learning, and sustainable mobility.

## Project 1      Adaptive Power Delivery System



### Key Responsibilities

- Analyze data from sensors and motor control systems to identify patterns influencing power delivery.
- Develop and implement machine learning models to optimize motor output for various real-world scenarios.
- Assist in designing and refining adaptive control algorithms for dynamic power adjustments.
- Collaborate with engineering teams to integrate data-driven insights into the power delivery system.
- Prepare visualizations and reports to communicate system performance and optimization outcomes.

Send your application to  
[oussama.jmaa@pixiimotors.com](mailto:oussama.jmaa@pixiimotors.com)

### Learning Outcomes

- Hands-on experience in applying machine learning to real-time adaptive systems.
- Practical knowledge of working with sensor data and developing data-driven control algorithms.
- Insights into the integration of data science in electric mobility innovations.

### Qualifications

- Currently enrolled in an Engineer or Master's program in Data Science, Computer Science or a related field.
- Proficiency in Python with experience in machine learning libraries (Pytorch, TensorFlow, Scikit-Learn).
- Passion for sustainable mobility and using data science to drive performance and innovation.



# > Data Science

Pixii Motors is seeking a Data Science Intern to contribute to the development of an AI-driven Rider Behavior Analysis and Personalized Riding Assistance system. This innovative platform aims to enhance rider safety, optimize energy efficiency, and improve the overall user experience by leveraging data science and machine learning to provide real-time feedback and personalized riding insights.

## Project 2      Rider Behavior Analysis and Personalized Riding Assistance



### Key Responsibilities

- Analyze rider behavior using data from IoT sensors (accelerometer, GPS, gyroscopes) to identify patterns and profiles.
- Develop clustering algorithms to classify rider types (Eco-Ride, Aggressive Rider..).
- Implement anomaly detection models to identify unsafe behaviors and trigger safety alerts.
- Apply reinforcement learning techniques for personalized battery optimization.
- Assist in creating interactive dashboards for rider insights and progress tracking.

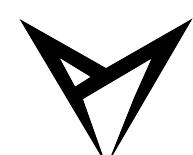
Send your application to  
[oussama.jmaa@pixiimotors.com](mailto:oussama.jmaa@pixiimotors.com)

### Learning Outcomes

- Practical experience with clustering and anomaly detection for behavior analysis.
- Exposure to real-time data processing from IoT devices and edge computing.
- Knowledge of integrating machine learning models into mobile apps for actionable feedback.

### Qualifications

- Currently pursuing a degree in Data Science, Computer Science, or a related field.
- Proficiency in Python and machine learning frameworks (TensorFlow, Scikit-learn).
- Familiarity with data visualization tools and IoT systems.
- Passion for AI-driven mobility solutions and enhancing user experiences.



# Let's ride the future.

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