

Career Action Plan

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1. Introduction and Market Analysis

As a graduate student specializing in Wireless and Internet of Things (IoT) Systems, I am keen to embark on a career within the telecommunications industry, specifically in companies such as French companies: Orange and Free, Chinese companies: Huawei and Xiaomi, and similar organizations that are leaders in communication technology.

The rapid evolution of 5G networks, IoT, and wireless communication has created significant opportunities and demands in the sector, and I am eager to contribute to this fast-paced industry.

The telecommunication industry is expanding, with a strong demand for professionals skilled in network design, wireless communication, and IoT integration. Key players like Orange and Huawei focus heavily on 5G infrastructure and IoT applications, opening doors for innovation and collaboration. My aim is to secure a position where I can apply my knowledge in wireless and IoT, develop new competencies, and contribute to the technological advancements in these companies.

With the rapid advancement of wireless communication and IoT technologies, these fields are demonstrating immense potential across multiple industries, particularly in smart automotive and smart home applications. Wireless communication provides the foundation for real-time data transfer and remote monitoring in smart vehicles, supporting advanced in-car navigation systems, driver assistance, vehicle-to-vehicle (V2V), and vehicle-to-everything (V2X) communication with traffic infrastructure. At the same time, IoT technology enhances smart home environments by enabling interconnected devices, offering users a more convenient and intelligent lifestyle, which significantly improves quality of life and operational efficiency.

I recognize that, beyond the traditional telecommunications industry, these fields also have a high demand for expertise in wireless and IoT technologies. Therefore, I am not limiting myself to companies solely within the communications sector. I am equally interested in exploring opportunities with smart automotive manufacturers, smart home solution providers, and cross-industry technology companies.

Whether I enter the traditional telecommunications industry or a cross-disciplinary field, my goal is to leverage my skills in an environment that values innovation and

technological applications, while further expanding my knowledge and expertise in wireless communication and IoT solutions.

2. Short-term and Long-term Career Goals

Short-term Goals:

1. Secure an internship: My immediate objective is to obtain a graduation internship in a relevant telecommunications company. Through this experience, I aim to gain hands-on exposure to real-world projects, familiarize myself with industry standards, and develop practical skills in wireless systems and IoT solutions.
2. Gain Full-time Employment (CDD/CDI): Post-graduation, my goal is to secure a CDD (Contrat à Durée Déterminée) or CDI (Contrat à Durée Indéterminée) within the telecommunications industry, ideally in a role focused on wireless network management, IoT applications, or 5G technology.

Long-term Goals:

1. Progress to a Specialist or Managerial Role: Within five years, I aim to advance into a more specialized or managerial position, where I will lead projects in IoT integration, wireless network design, or 5G deployment.
2. Continuous Learning and Development: To stay competitive, I plan to continue my professional development through certifications, courses, and staying updated on the latest advancements in wireless and IoT technologies.

3. Action Plan

To achieve these goals, I have identified several specific steps to focus on:

1. Skills Development: Continue strengthening my technical skills in wireless communication protocols, network management, and IoT system integration. Take relevant online courses or certifications.
2. Industry Networking: Attend industry events, seminars, and webinars hosted by IEEE and other relevant professional bodies. Engage with professionals and alumni in the telecommunications sector.
3. Job Search and Application: Research and apply to companies for internship and job opportunities, tailoring my resume to highlight my technical expertise in wireless systems and IoT.
4. Language and Cultural Competence: Since I am targeting global companies, I will improve my French and English language skills to enhance my employability in international and local markets. Familiarize myself with the work culture and

business practices of French and Chinese companies, preparing for potential interviews and collaborative projects.

5. Project Involvement and Experience: During my internship, focus on developing and showcasing specific project experience in wireless network deployment, IoT connectivity solutions, or 5G infrastructure, which will be valuable for securing a CDD or CDI role.

4. Timeline

Action Step	Timeline
Complete additional technical training	Within 2 months
Apply for internships	Within 3 months
Attend networking events	Ongoing
Secure graduation internship	By the end of this semester
Apply for CDD/CDI positions	After graduation
Advance to specialized/managerial role	Within 5 years

5. Conclusion

The telecommunications industry is rapidly evolving, and I am committed to building a strong career in this field.

During my internship or initial professional experiences, I aim to explore various facets of wireless communication and IoT applications, with the hope of discovering a specific direction that I am passionate about. I am open to broadening my expertise across different roles and industries to identify where my skills and interests align best.

By focusing on skill development, strategic networking, and hands-on project experience, I am confident that I can secure a position in one of the leading companies in the sector. Achieving my short-term and long-term goals will allow me to contribute effectively to the growth of the industry and fulfill my ambition of becoming a professional in wireless and IoT systems.

Additionally, I am considering the possibility of pursuing a PhD if the opportunity arises at the right time, allowing me to deepen my knowledge and contribute to research and innovation in the field of wireless communication and IoT. This approach will enable me to remain flexible in my career path while advancing my understanding and impact within the industry.