Ismail Al Riyami
Software Engineer Apprentice

Driven, curious, and passionate about technology, I am a Computer Science student with a strong foundation in robotics and software development. With a lifelong fascination for robotics, continually seek opportunities to innovate and contribute to cutting-edge robotics software applications, aiming to bridge the gap between theoretical research and practical, impactful solutions.

Contact

📞 +33 6 29 73 01 01

✉️ Ismailalri@gmail.com

in linkedin.com/in/alrismail

github.com/AlrIsmail

📍 Toulouse, France

Skills

Programming Languages: Bash, Python, Java, JavaScript, PHP

Web Development (Laravel, Java Spring, React)

Databases (Oracle, MySQL, MongoDB, Firestore)

Mobile Development (ReactNative, Java, Kotlin)

ROS (Robot Operating System)

Language

Arabic (Native Speaker)

English (Professional)

French (Professional)

Experience

Mars 2024 - June 2024
Internship Robotics Software Developer, Neusta
Toulouse, France
- Designined and developed an Android application for remote control of robots.
- Configured Raspberry Pi and the environment ROS (Robot Operating System) for the robot.
- Used Docker to simplify future robot configurations.
- Integrated AWS (Amazon Web Services) for optimized management of robot fleet.

May 2023 - July 2023
Internship Research Assistant, LAAS-CNRS
Toulouse, France
- Contributed to the Human-Robot Interaction (HRI) research project DISCUTER within the RIS team.
- Developed a virtual environment to gather data on dialogues and human interactions in Python.
- Designed algorithms to analyze dialogue patterns in C++.

Education

2024-2027
Masters of Science in Engineering, Computer Science
INP-ENSEEIHT (École Nationale Supérieure d'Électrotechnique, d'Électronique, d'Informatique, d'Hydraulique et des Télécommunication) A top-ranking engineering graduate school
Toulouse, France

2021-2024
Bachelor of Technology, Computer Science
IUT Informatique, Paul Sabatier University
Toulouse, France

Projets

October 2023 - January 2024
Clone Instagram Lite - Mobile App
- Developed a mobile application similar to Instagram Lite using React Native and Firebase.
- Implemented features such as photo sharing, profile management, and the ability to like and comment on posts.
- Integrated Firebase for authentication and data storage.

December 2022
Home Service Robot
- Used ROS and C++ to work on a home service robot.
- Implemented ROS SLAM (Simultaneous Localization and Mapping) packages and markers for mapping, localization, and object transportation.