

JOB POSTING REQUEST FORM

| JOB DETAILS | |
|---|---|
| Reference # | CC-734-2022 |
| Company Name | ICC Group |
| Industry | IT Services and IT Consulting |
| Vacancy | Robotacist |
| Number of vacancies for that position | 1 |
| Job Type (<i>FT, PT, Contractual, Seasonal</i>) | FT |
| Major(s) | CCE, or related field |
| Degree | BS, MS |
| Years of Experience | 1 year |
| Location | Beirut, Raouche |
| Remuneration & Benefits | --- |
| Currency (LBP, Dollar, Lollar) | --- |
| Tasks & Responsibilities | <ul style="list-style-type: none"> • Designing, implementing and testing enhanced systems for navigation, motion/path planning, mapping, and localization. • Writing Arduino codes. • Designing, implementing, and evaluating prototypes. • Serving as a resource and working with a disciplinary team to help bring new products to market as well as service existing customers and platforms. • Evaluating and testing simultaneous localization and mapping (SLAM) algorithms to provide metric maps of large environments. • Improving data fusion algorithms to increase the accuracy of robot motion estimates. • Contributing R&D insight to the development of new localization methods. • Evaluating and testing novel path and velocity planning algorithms for safe, smooth, and continuous robot motion in dynamic environments. |

JOB POSTING REQUEST FORM

- Evaluating and providing additional robot performance metrics with corresponding tests.
- Ensuring the highest quality software release cycles, continuous integration, and deployment of new features.
- Evaluating and testing alternative sensors to improve performance at a lower cost on Arduino and microprocessors (Nvidia Jetson NANO).
- Contributing R&D insight to building a docking station for the robot.
- Draw a 3D model for the robot using solid works CAD software and extract the URDF file.