



Robotics Engineer Interview Preparation Tips

What Companies Really Look For

1. Improve a project README

Description: Open one robotics project repo on your GitHub and replace or add a README summary (3–4 short sentences) stating the project goal, target robot type, and intended users.

Add a concise "How to run" section with exact commands and expected outputs so a teammate can pick it up without asking questions.

2. Write a two-paragraph big-picture note

Description: Pick a past project and write two short paragraphs (3–4 sentences each) explaining the project goal, stakeholders, and how it fits a product vs services company.

Emphasize your responsibilities, what could break other people's work, and one documentation item to make handover safe.

3. Apply a production-quality checklist

Description: Create a 6-item checklist for production quality (tests, lint, CI, clear interfaces, error handling, docs) and pick one small module to apply one checklist item.

Make a commit that fixes the issue and write a clear commit message explaining the change and how it prevents breaking others' work.

4. Draft a 2-minute verbal pitch for non-technical stakeholders

Description: Write a 2-minute script (8–10 sentences) that explains your project's purpose, high-level architecture, and user value to a non-technical product owner.

Include one sentence about technical trade-offs and one sentence describing an easy maintenance step the team should follow.

5. Map two projects to company types

Description: Choose two projects and for each write a one-paragraph explanation mapping it to either a product company or a services company and why.

Add one small tweak or micro-task per project that would make it more relevant when applying to that company type.

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