Sapien-Tech

INTERNSHIP • 4 MONTHS

Hardware Test Engineer

PCB Bring-Up, Validation & Reliability

Location	Remote-first (occasional on-site / lab days may be arranged)
Type	Internship — full-time hours
Duration	4 months
Compensation	Unpaid internship
Reports to	Ali Alhubaishi, CEO & Founder

About the Role

Help make sure our condition-monitoring devices are reliable before they reach customers. You will build test rigs, run validation and reliability testing, take careful measurements, and document results so the team can trust every unit that ships. This is a hands-on, test-focused role across the bench, working closely with the hardware and firmware engineers.

The internship is remote-first — we ship you the development kits and boards you need. For some hardware bring-up and bench testing, occasional on-site or lab days may be arranged.

What You'll Do

TEST SETUPS & FIXTURES

- Build simple test rigs and fixtures for repeatable, hands-off testing.
- Help bring up devices and confirm they meet the basic spec.
- Create clear test procedures and pass / fail checklists.

VALIDATION & MEASUREMENT

- Run validation and bench tests with lab equipment (multimeter, oscilloscope, power supply).
- Take accurate measurements and compare results against requirements.
- Find, reproduce, and log faults clearly for the engineering team.

RELIABILITY & REPORTING

- Support reliability and environmental checks (temperature, power, long-run tests).
- Capture and tidy test data, then report findings the team can act on.
- Help track issues through to a confirmed fix.

What We're Looking For

- Studying towards (or recently finished) a degree in Electronic / Electrical Engineering or similar.
- Comfortable using basic lab instruments.

- Some familiarity with Arduino / microcontrollers is helpful.
- Methodical, patient, and precise with measurements.
- Careful, organised, and good at writing things down.

Nice to Have

- Some scripting for test automation (Python is a plus).
- Awareness of design-for-test or design-for-manufacture ideas.
- Personal or course hardware projects with Arduino / microcontrollers.
- Experience with version control (Git).

What You'll Gain

- Real project experience on hardware, firmware, and data that ships in live products.
- One-on-one mentorship from senior engineers.
- A finished project you can show in your portfolio.
- A reference letter on completion, and a possible path to a full-time role.

How to Apply

Send your CV and a short note about a project you've worked on to info@sapien-tech.io. If you have a portfolio, GitHub, or project photos, include them — we care more about what you've built than perfect grades.

Sapien-Tech is an equal-opportunity employer. We welcome applicants of all backgrounds.