Internship description

**Job Title:** Mechanical Engineer Intern / Industrial Design Intern  
**Current Area of Study:** Mechanical Engineering / Industrial Design / Product Design  
**Core project:** Coral Reef Mapping Drone  
**Overview:** Working as a member of a small cross functional design and engineering team (mechanical/electrical/software) working to develop a Coral Reef Mapping Drone and customize this product to meet customer demands.

**Qualifications:**

- High degree of organizational skill and problem-solving ability
- Resourcefulness in finding information and answers from within and outside the company.
- Good communication and organizational skills.
- Computer skills including Microsoft Word, Excel, PowerPoint, Figma, Sketch, Adobe, Grasshopper, HTML/CSS, XD, C++, Python, C#, MATLAB, and AutoCAD

**Duties and Responsibilities:**

**Industrial Design**
- Concept development
- Prototyping
- Testing and Documentation
- Sourcing components
- Liaising with suppliers and fabricators
- Designing, wiring and soldering electrical assembly
- Designing mechanical assembly.

**Robotics**
- Research and Development

**Project management:**
- Help with community engagement for “Social RnD” and participation from diverse design
- Assist in project management with document routing and retrieval, and assist in control of timeline / tasks
- Assist in management of BOM (Bill of Materials)
- Gathering, organizing, and updating data, and help create processes to streamline the moving of critical data.
- Documentation of all work on Github/ internal documents/ social media
- Assist in management of collaborators and project management on Github.