ITC STEM Internship Scheme 2021-22

Company: Clear Robotics Limited

Position 1: Software Development Intern

Position 2: Robotics Intern

Brief Company Information
Open Ocean Camera is an AI-powered open-source underwater camera for research conservation and citizen science. Our camera can be deployed to create underwater time-lapses for 2-3 weeks on a single charge. Our AI can intelligently go through all the footage captured by the camera, ID the creatures and categorise them by type. Right now, we are using our tech to modernise aquaculture.

Position 1: Software Development Intern

Job Description
- Develop new features for our internal admin portal to cater to various customer requests and day to day operations;
- Design and implement new user-facing features in our products.
- Write client-side or server-side code for web-based applications.
- Participate in technical and design meetings with project managers to ensure best practices during implementation.
- Testing and deployment of software products.

Requirements
- Bachelor's degree in Computer Science / Information Engineering or related technical field
- Knowledge in any of the following technologies:
  - Client-side applications: HTML, CSS, JavaScript, React.js
  - Server-side technologies: Python, Node.js, GraphQL, Postges, WebSockets.
- Be self-motivated and able to work independently on small projects.

Number of vacancies: 1
**Position 2:** Robotics Intern

**Job Description**
- Conduct research to determine the parameters of a robotic applications
- Develop and implement software that will control robots
- Create prototypes and work on necessary components
- Perform integration tests and quality control
- Apply machine learning techniques
- Create complete documentation for robotic systems
- Monitor the use of robotic systems and optimize their functionality
- Troubleshoot defects in the robot design

**Requirements**
- Well-versed in computer science, applied physics, and mechanics
- Excellent knowledge of CAD/CAM software
- Knowledge of cost, efficiency, and productivity optimization methods
- Ability to develop and evaluate integrated systems
- An analytical mind
- Resourcefulness
- Outstanding communication skills
- Degree in Engineering, Computer Science or similar field

**Number of vacancies:** 1

**Internship Period:** Winter break 2021/22

**Application Procedures**
Interested students should submit your application directly to the employer with your CV at your earliest convenience.

**Application:** Sidhant Gupta - info@openoceancam.com