Sample Engineering Internship Descriptions

**Exactus Energy**, Engineering Intern,
- Generating single line diagrams for residential solar projects;
- Processing site data to generate 3D models;
- Producing and optimizing residential and commercial solar panel layouts in AutoCAD;
- Research & development to increase efficiency of design processes.

**Genecis**, Chemical Engineer
- Conducting and reproducing laboratory tests in order to generate reliable and precise data to support scientific investigations;
- Perform independent work studies projects on either dry lab or wet lab processes;
- Sample preparation through grinding of food waste and filtration processes;
- Constructing, maintaining and operating standard laboratory equipment, including centrifuges, titrators, pipettes and pH meters;
- Critically reviewing engineering designs, test plans, and assess risks
- Operating equipment including filter press, centrifuge, grinders, bioreactors and etc.
- Working closely with different departments: Bioresource, Microbiology, Biochemistry, Automation, and Mechanical based on priorities
- Design, run, test and upgrade systems and processes;

**SpaceiShare**, Software Development Intern
- Working with the CTO to understand our development technologies and architecture;
- Understanding business requirements for the modules you are assigned for development;
- Creating test cases for these business requirements;
- Doing test drive development to complete these modules;
- Integrate your code to the main branches;
- Attending daily, weekly and other meetings as scheduled, and participate in company discussions.
Healthware, Hardware Developer

- A viable candidate will contribute to development, reiteration, and testing of the HeartWatch System closely with the engineering team. This includes comparison testing existing solutions, innovating ways to improve sensor quality and working with the implementation of the novel sensor developed in-house for the HelpWear system.
- The candidate will also be a core member of the design and engineering team, where they will help address problems in both areas.
- On the job, candidates will get a chance to work with the lead engineer on projects and founders Key Roles: Benchmark testing currently implemented biometric sensor. Troubleshooting issues with the development of sensors. Contributing to the design of a novel capacitive sensor. Implementing noise processing filters to HeartWatch system. Quality Assurance on any/all sensors within the HeartWatch system. Fine tuning existing sensors. Contribute to overall engineering team goals. Research and implement various materials and parts for system use.