

Pure Biomass Inc. – Internship / Job Opportunity

Pure Biomass is seeking an electrical engineer to help us in designing a submersible, robotic system to aid in our process for large scale algae cultivation. We are looking for a creative engineer with the ability to design and program robotic systems, and execute those designs by constructing prototype and programming hardware. The work also requires the design of a control the system to allow for mesh networking and provide the user with an intuitive interface to control of our photo-bioreactor system, and the enclosed robotic harvest apparatus. Proof of concept has been attained, and we are moving towards a beta-prototype so we can enter the market.



Primary Responsibilities and Duties include, but are not limited to:

- Minimum Education: Enrolled as Bachelor of Science in Electrical Engineering
- Experience with motors & robotics
- Proficient in C++, C, and Python
- Program microcontrollers and implement sensors/transducers. This could include signal conditioning amplifier design, C/C++ programming, and communication protocol implementation
- Proficient with embedded programming, PCB design.
- Proficient in using various capture, layout, and simulation software such as Cadence and Eagle
- Proficient in analog, low-speed digital circuit design, and cable assembly design
- Coursework in control systems, communications, analog electronics, and RF/microwave engineering
- Performing both technical drawings and calculations are a must prior to building a prototype
- Creativity in drawing from multiple industries to address the needs of the reactor
- Resourcefulness to achieve the desired results at a low cost
- Friendliness to have a good time while working hard within a team atmosphere
- Flexibility of schedule and mind to follow leads while things are working, and trouble shooting skills to resolve issues when they are not
- Problem solving, goal oriented, and self-directing attributes a must

About us:

Pure Biomass is a small start-up company that provides customers with efficient algal production systems, training, and technical guidance for operation of the systems. Our goal is to help propel the algae industry into a new phase of surplus microalgal production where innovation can flourish around a variety of valuable bio-products. Moreover, Pure Biomass is determined to attain this goal with a production system that allows for a carbon negative facility and a very low water consumption rate to minimize the impact on the local and global environment. We are motivated by our belief that sustainable aquaculture can be a valuable technology to meet global needs in human health, environmental stewardship, and economic development.

Please Contact Us If You're Interested In Joining Our Team!

email resume and cover letter to: info@purebiomass.org

