



Job Posting: Mechatronics/Manufacturing Fellow

Come join Dripteck, a for-profit, socially-minded, high-visibility startup named by BusinessWeek as one of the world's most intriguing new companies, and voted by its readers as one of the top 5 most promising social ventures in America.

Dripteck is laser-focused on making affordable irrigation technologies for small-plot farmers in developing countries. Our early-stage, privately-funded, Mountain View, CA based venture is scaling up for high-volume commercial roll-outs in India and China. By joining the Dripteck team you will be part of a compelling social venture that aims to produce a global impact.

After proving production in the US we are now looking to deploy our first generation of commercial-grade manufacturing technology in factories overseas. We are working hard to bring local manufacturing online capable of meeting our growing sales demands by the end of 2011. In fact, we must currently limit incoming sales orders until we can ramp up our local production capabilities, so we need your help!

Dripteck is seeking an enthusiastic and highly capable Mechatronics/Manufacturing Fellow. This fellowship is a year long position, starting during the Summer of 2011, and upon successful completion, may be converted into a full time position. It requires strong mechatronics, manufacturing, and product development skills. The ideal candidate will have a desire to gain manufacturing experience in China, and have an interest in product development based on field research. The position requires a proactive, dedicated, and hardworking mentality, and the ability to work independently. The fellowship begins with 6-8 weeks at Dripteck's headquarters in Mountain View, CA and then the remaining time will be in Shenzhen, China. Dripteck will provide local accommodation, and a local project manager for support, but ability to speak Mandarin, or willingness to learn, will be invaluable.

Responsibilities:

1. Develop and expand our manufacturing operations in China, with support from Dripteck's Engineering team in the US.
2. Establish specifications and procedures for the manufacturing line.
3. Track quality and reliability metrics and provide technical development proposals
4. Develop and refine our innovative product line to meet and exceed the demands of our customers, based on feedback from our local sales teams

Background and Skills:

1. Available for a minimum of 9-12 month commitment.
2. Ability to live and work in Shenzhen, China
3. MS or equivalent in Mechanical Engineering with coursework in mechatronics, control systems, machine design, or similar
4. Successful completion of Stanford's ME 218 A, B, and C courses or equivalent
5. Ability to design electronic circuits using a mix of digital and analog components
6. Outstanding skills at diagnosing and troubleshooting problems in mechatronic systems using tools such as oscilloscopes and logic analyzers
7. Proficiency in schematic capture software such as Altium (Protel) or EAGLE
8. Basic soldering and PCB reworking skills
9. Excellent verbal and written communication and documentation skills

Desired Extras:

1. Computer/microcontroller programming skills
2. CAD/CAM experience
3. Precision manufacturing experience
4. Knowledge of production test methodologies
5. Knowledge of basic production processes
6. Experience with mechatronic systems outside of ME 218
7. Experience living and traveling independently abroad
8. Ability to communicate in Mandarin and/or prior experience in China

Compensation:

Driptech offers a comfortable stipend and benefits commensurate with our funding stage. Housing in Shenzhen and return airfare to Hong Kong is also provided.

How to Apply:

Please submit your resume and a cover letter to jobs@driptech.com with "Mechatronics/Manufacturing Fellow" in the subject. We will be accepting applications through **June 30, 2011**.

To learn more about Driptech, please visit our website at www.driptech.com

