Position: Electrical Engineering Intern
Time: Summer 2016
Location: Somerville, MA (just outside Boston)
Contact: jobs@altaerosenergies.com

Altaeros Energies seeks electrical engineering interns to assist in at least one of the following areas: 1) Controls & Data Analytics 2) Software & User Interface 3) Electrical Design 4) RF & Telecom. Candidates who have relevant skills in more than one area as well as involvement in major engineering competitions (Solar Car, Formula SAE, DARPA Robotics Challenge, etc) will be given particular consideration. We are looking for makers – please don’t hesitate to share your portfolio with us.

Altaeros’ core platform uses a helium-filled, inflatable shell to lift energy generation, communication and other payloads up to 600m above ground. Applications include energy and telecom in rural and remote areas around the world. Altaeros provides a fast-paced, dynamic work environment, and our interns are expected to quickly take on significant responsibility as they work with the team to further the company’s goal of commercializing the world’s first autonomous tethered airborne platform.

The internship last for summer term and includes cash compensation. Altaeros is particularly interested in meeting candidates that may wish to remain involved with the company after the internship ends. Please send your cover letter, resume, and portfolio to jobs@altaerosenergies.com with the subject [Electrical Engineering Intern].

Qualifications:
- Junior, Senior, Graduate Student, or recent graduate in Electrical Engineering or similar field. Exceptional first and second year students will also be considered.
- Skills and training appropriate to the area (Software: C#, .NET (especially WPF), OPC UA / Controls: Matlab & Simulink, mathematical aptitude / Electrical Design: Electrical CAD, lab skills, familiarity with drives and industrial controls / RF & Telecom: familiarity with Antenna Design, EM propagation, and RF & Microwave test equipment)
- Ability to work independently to achieve deliverables
- ‘Startup Attitude’: Quick learner, passionate, nimble & adaptable

Responsibilities/Activities:
- Controls: Designing coding and debugging control logic in Matlab/Simulink, assisting with implementation and debugging of control algorithms, processing and analyzing test data
- Software: Designing user interfaces and M2M communication
- Electrical Design: Designing & documenting electrical panels, building & testing all-weather electrical systems, field testing & debugging of sensor, data acquisition, and drive systems.
- Telecom: Simulating signal propagation to estimate coverage quality. Building transmission systems from off-the-shelf components to characterize performance.

About Altaeros Energies, Inc.
Our mission is to deliver the next generation of infrastructure to rural and isolated communities around the world. And to have fun doing it! We combine proven technology with flight control innovations that enable cost effective autonomous deployment of tethered airborne platforms. Applications for Altaeros’ products include power generation, telecommunications, and technology enabled agricultural services. Founded in 2010, Altaeros launched the world’s first fully functional airborne wind turbine in 2012 and is now working to develop the first commercial version. Altaeros Energies is located in the Greentown Labs in Somerville, MA, the largest Cleantech incubator in North America.

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