

Position: Software Engineer Intern
Time: Summer 2017
Location: Somerville, MA (just outside Boston)
Contact: jobs@altaerosenergies.com



Altaeros Energies seeks software engineering interns primarily to assist in the design and development of control and monitoring interfaces of the Altaeros aerostat system. Additional contribution is sought in at least one of the following areas: 1) Controls & Data Analytics 2) RF & Telecom. Candidates who have relevant skills in more than one area, involvement in major engineering competitions, IoT projects or prior work experience will be given particular consideration. We are looking for developers – 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.

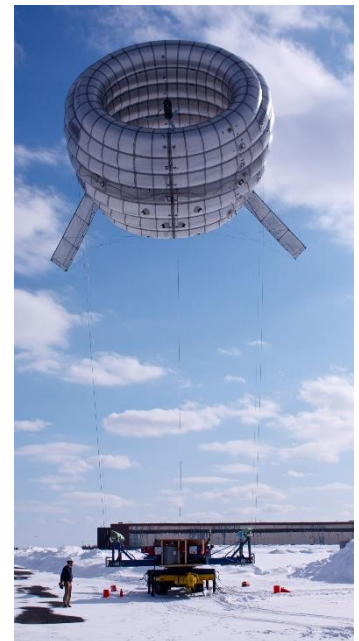
The internship last for Summer Semester and includes cash compensation. Altaeros is particularly interested in meeting candidates that may wish to remain involved with the company after the internship ends. Please send your cover letter, resume, and portfolio to jobs@altaerosenergies.com with the subject [Software Engineering Summer 2017 Intern].

Qualifications:

- Junior, Senior, Graduate Student, or recent graduate in Software Engineering or similar field. Prior work experience strongly preferred.
- Skills and training appropriate to the area:
 - Software Design: Object Oriented Programming, Data Flow Programming, Agile Development Methods, Version Control Workflows, etc.
 - Software: LabView, .NET (especially C# and WPF), C++, Python, OPC UA
 - Controls: Matlab & Simulink, mathematical aptitude
 - RF & Telecom: familiarity 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:

- Software: Designing user interfaces, M2M communication, monitoring and data logging systems
- Controls: Designing coding and debugging control logic in Matlab/Simulink, processing and analyzing test data
- 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.